Figure 6-1a Arithmetic and Geometric Mean Blood Lead Concentrations by Geographic Area - 9 Month through 9 Year Old Children (1996 - 1999 Combined)

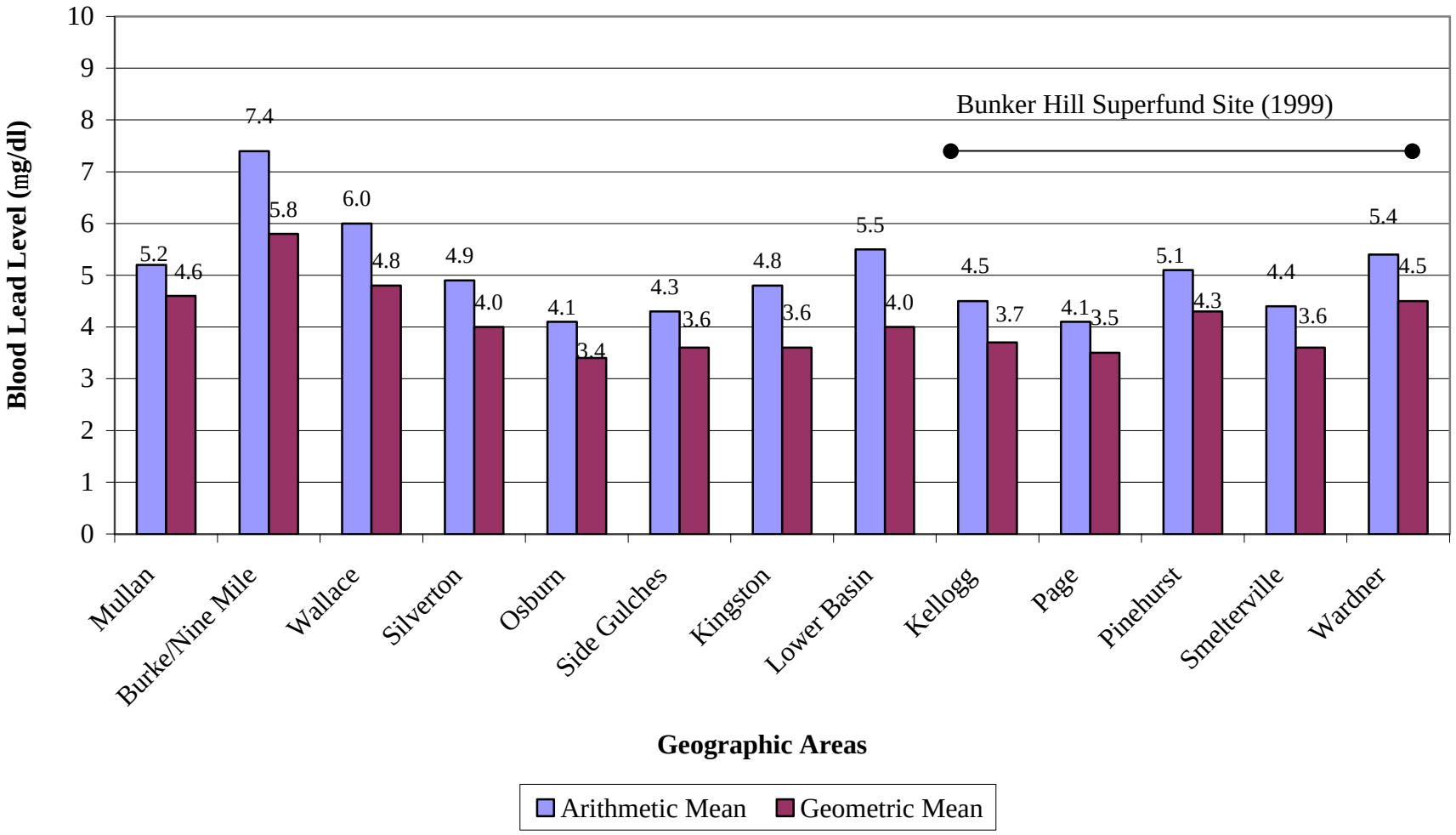


Figure 6-1b Percent to Exceed Blood Lead Concentrations by Geographic Area - 9 Month through 9 Year old Children (1996 - 1999 Combined)

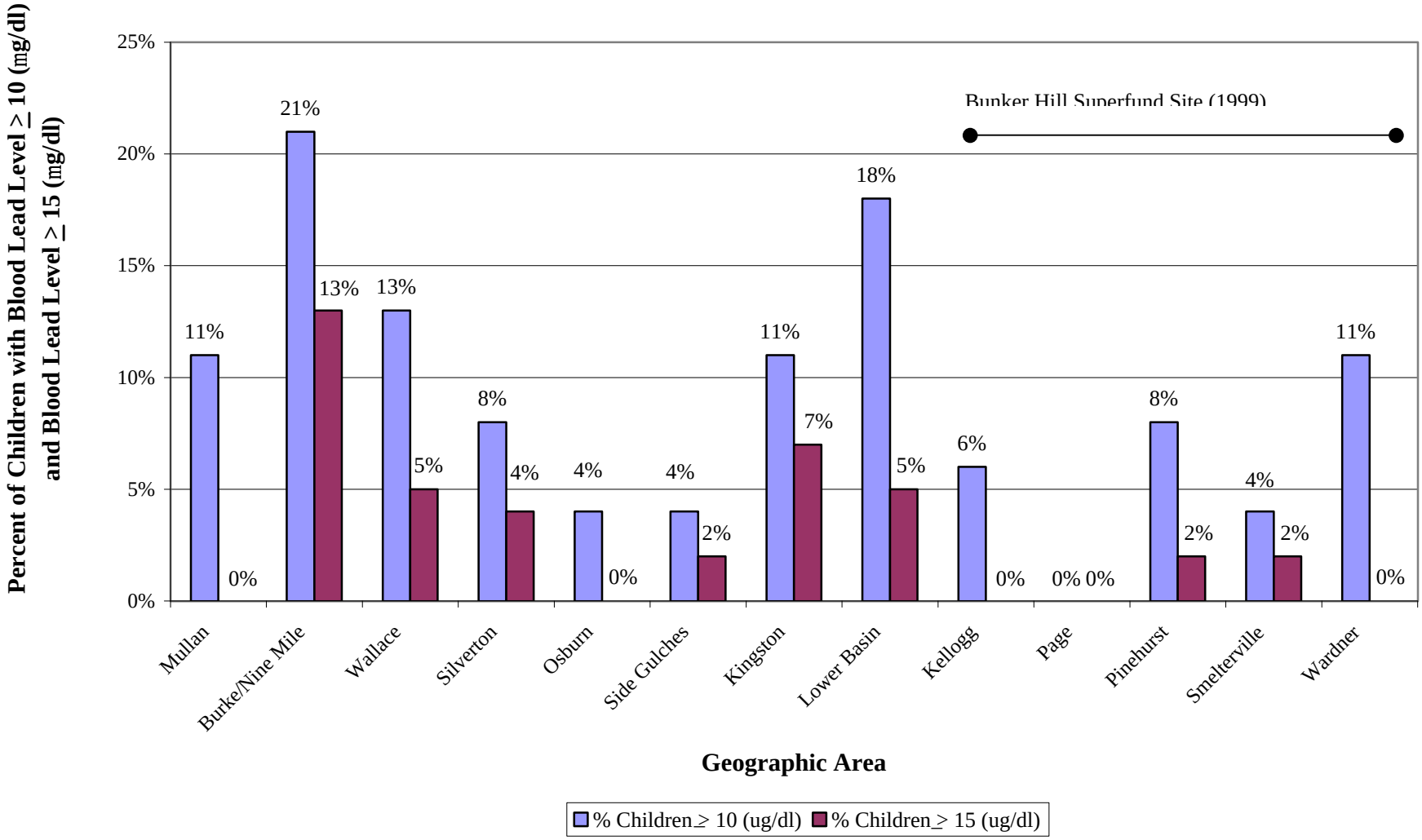


Figure 6-2 Basin Mean Blood Lead Levels by Age (1996 - 1999 combined)

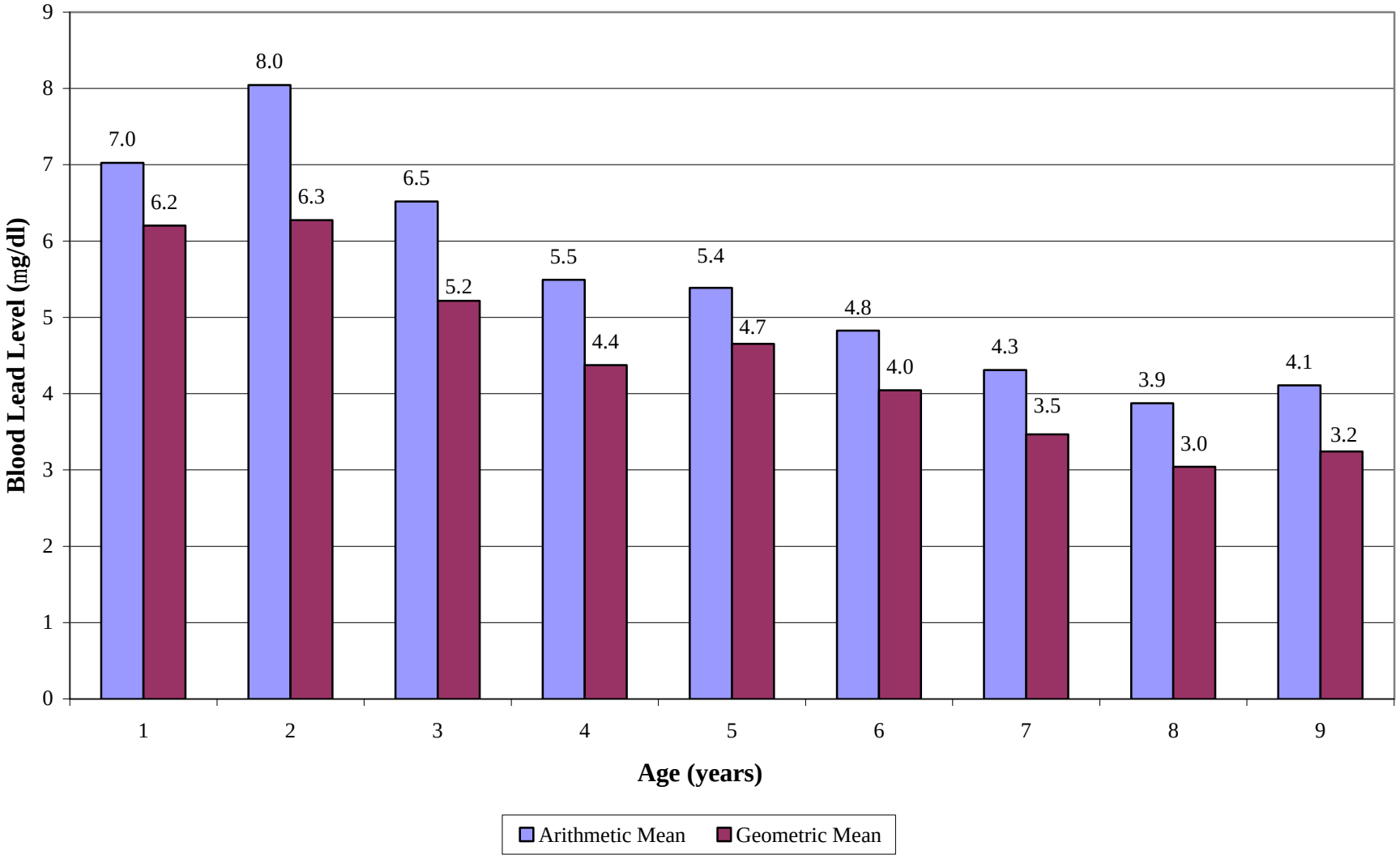


Figure 6-3 Percent of Children to Exceed Critical Toxicity Levels by Age (Basin-wide 1996 - 1999 combined)

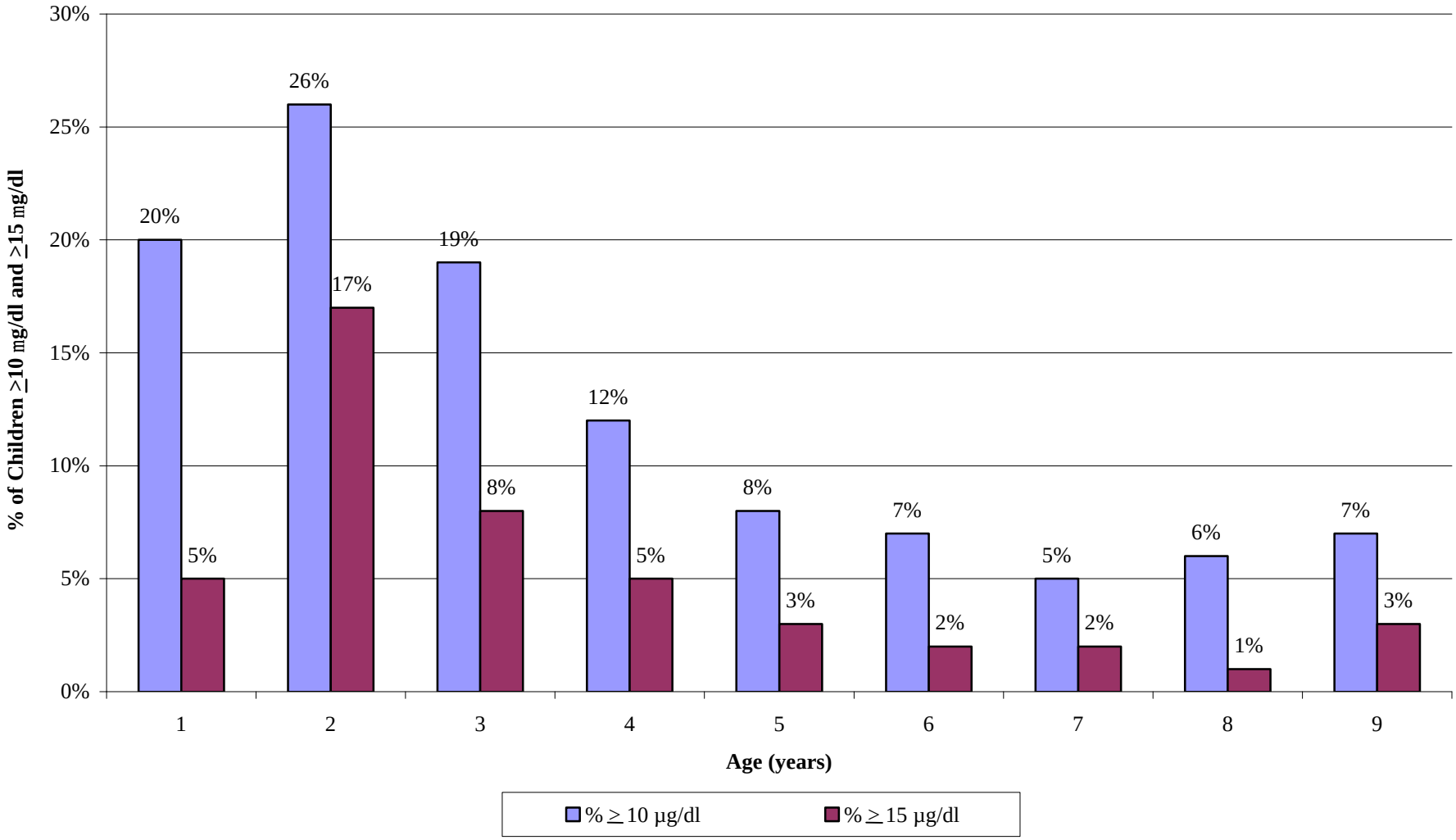


Figure 6-4 Geometric Mean Adult Blood Lead Levels by Age and Geographic Area

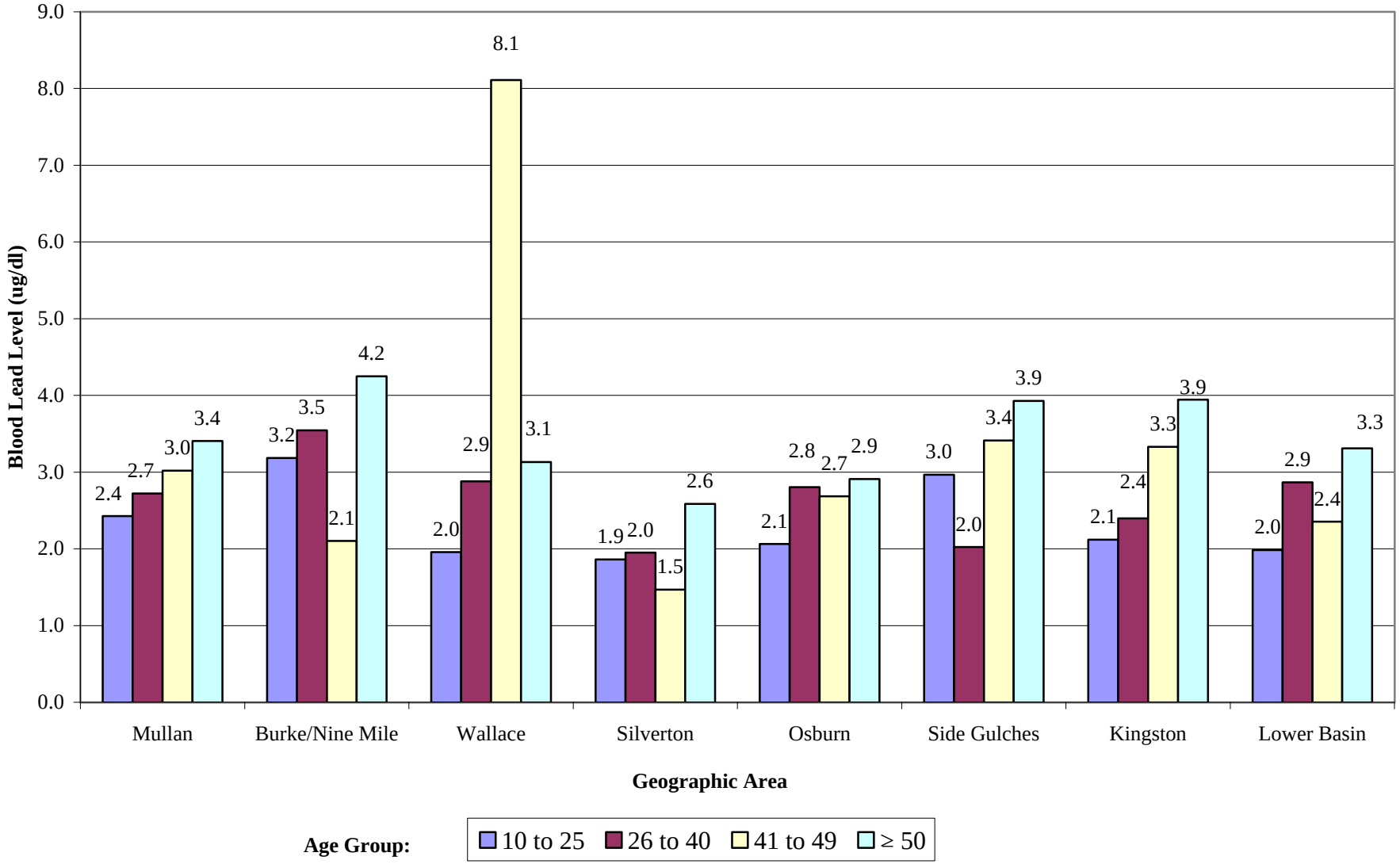


Figure 6-5 Geometric Mean and Maximum Blood Lead Levels for Reproductive Aged Females (17-45 Years Old) by Geographic Area

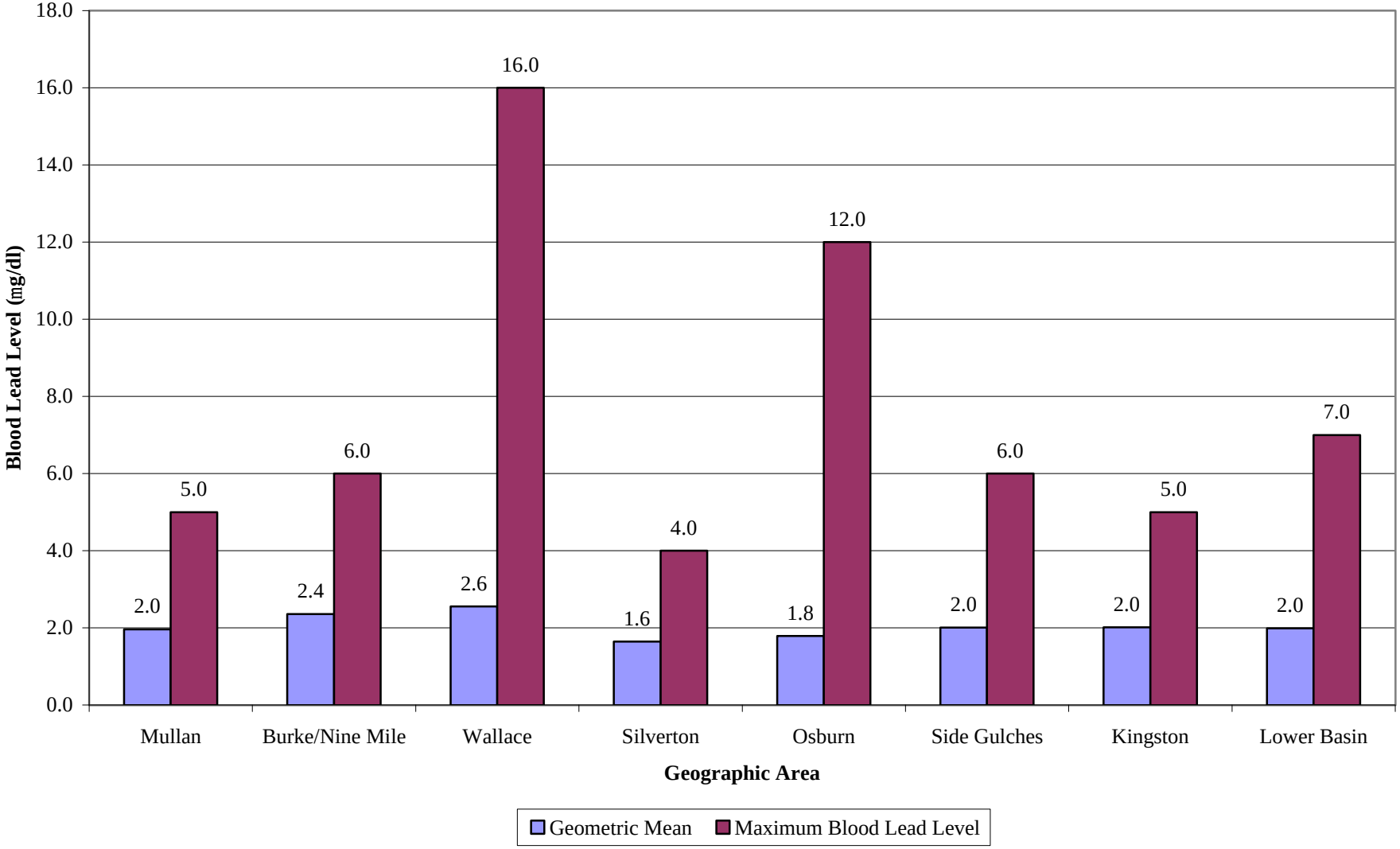


Figure 6-6

ENVIRONMENTAL PATHWAYS FOR LEAD EXPOSURE FOR THE BUNKER HILL SITE

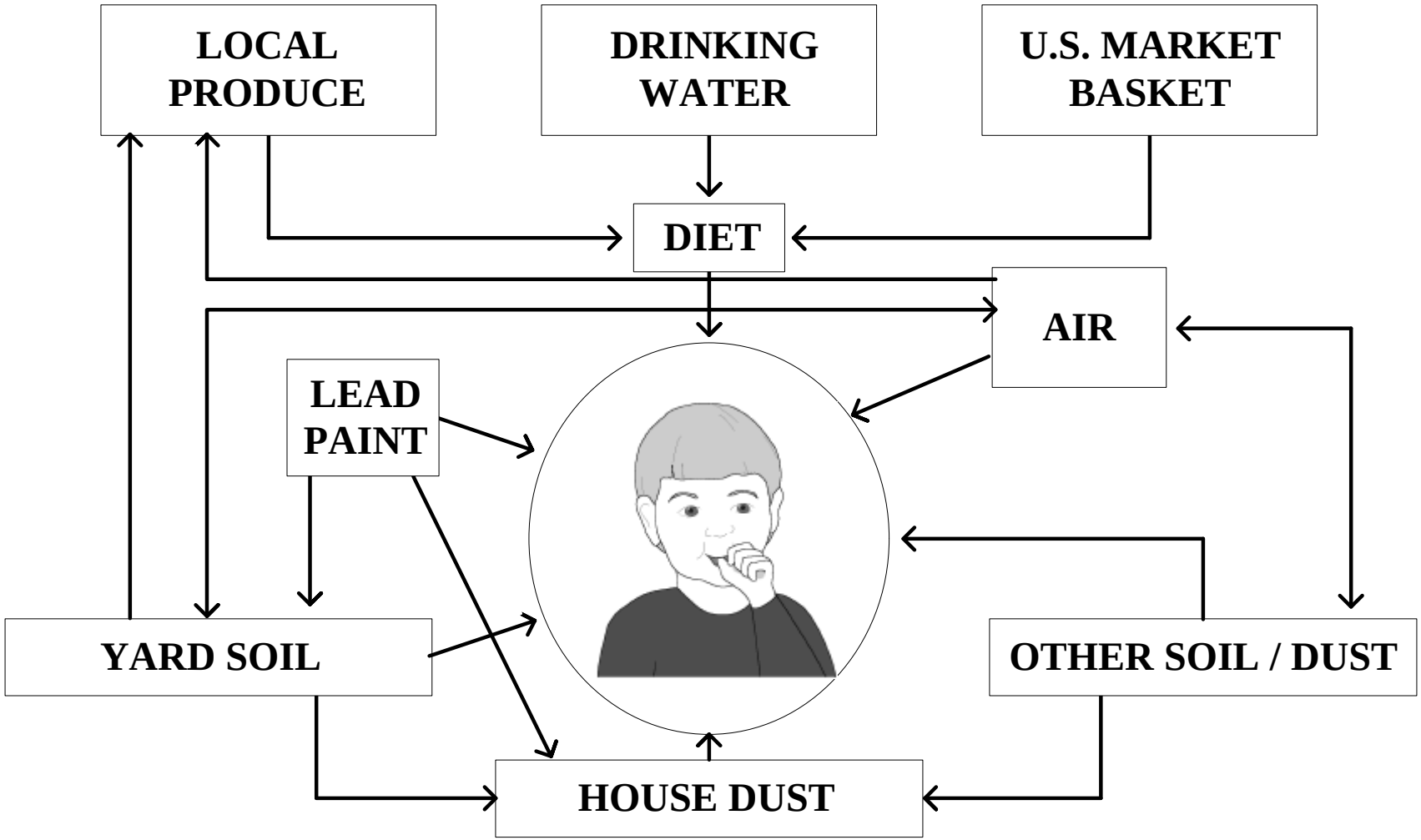


Figure 6-7a Geometric Mean Interior Paint Lead Loading by Geographic Area

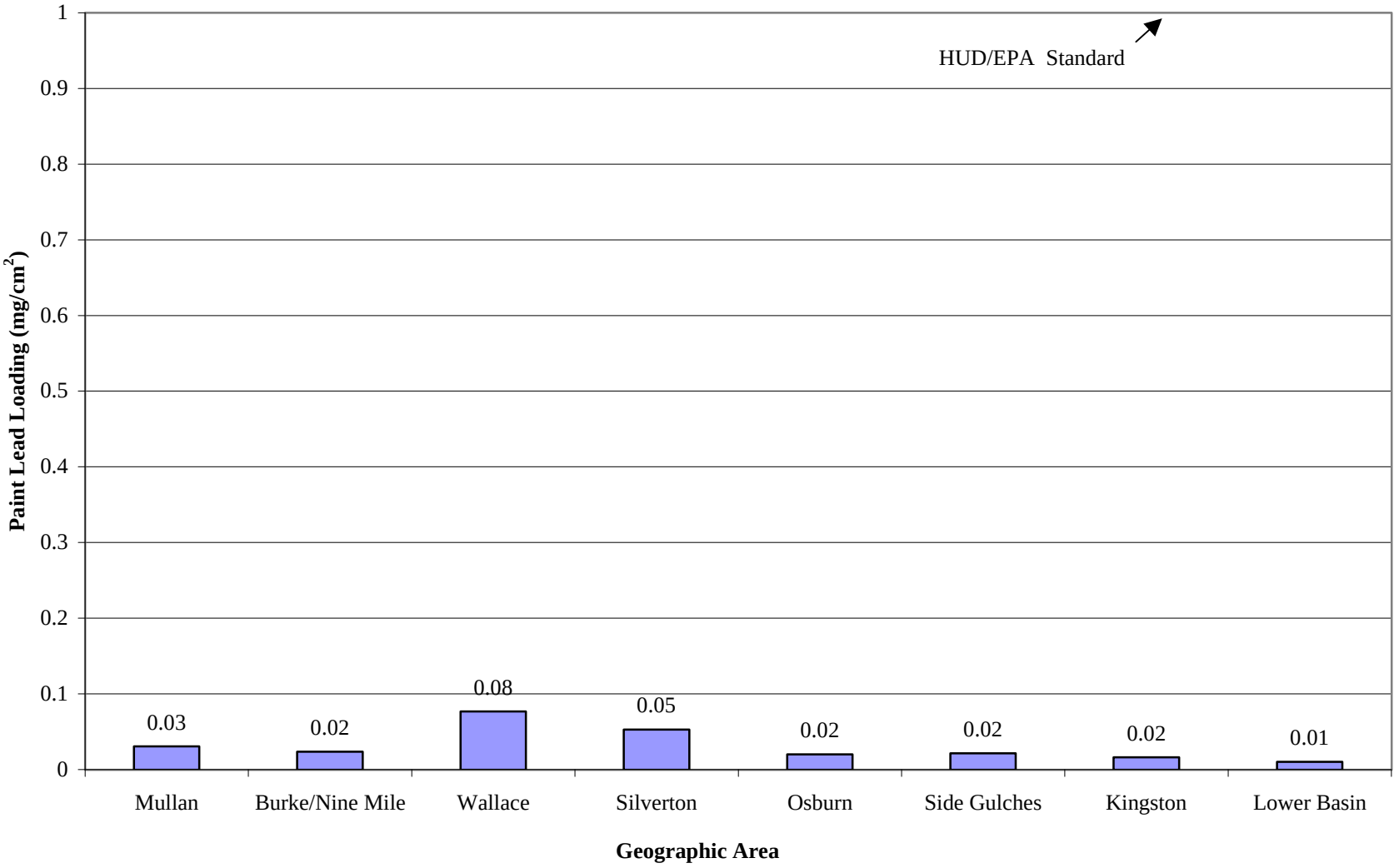


Figure 6-7b Geometric Mean Exterior Paint Lead Loading by Geographic Area

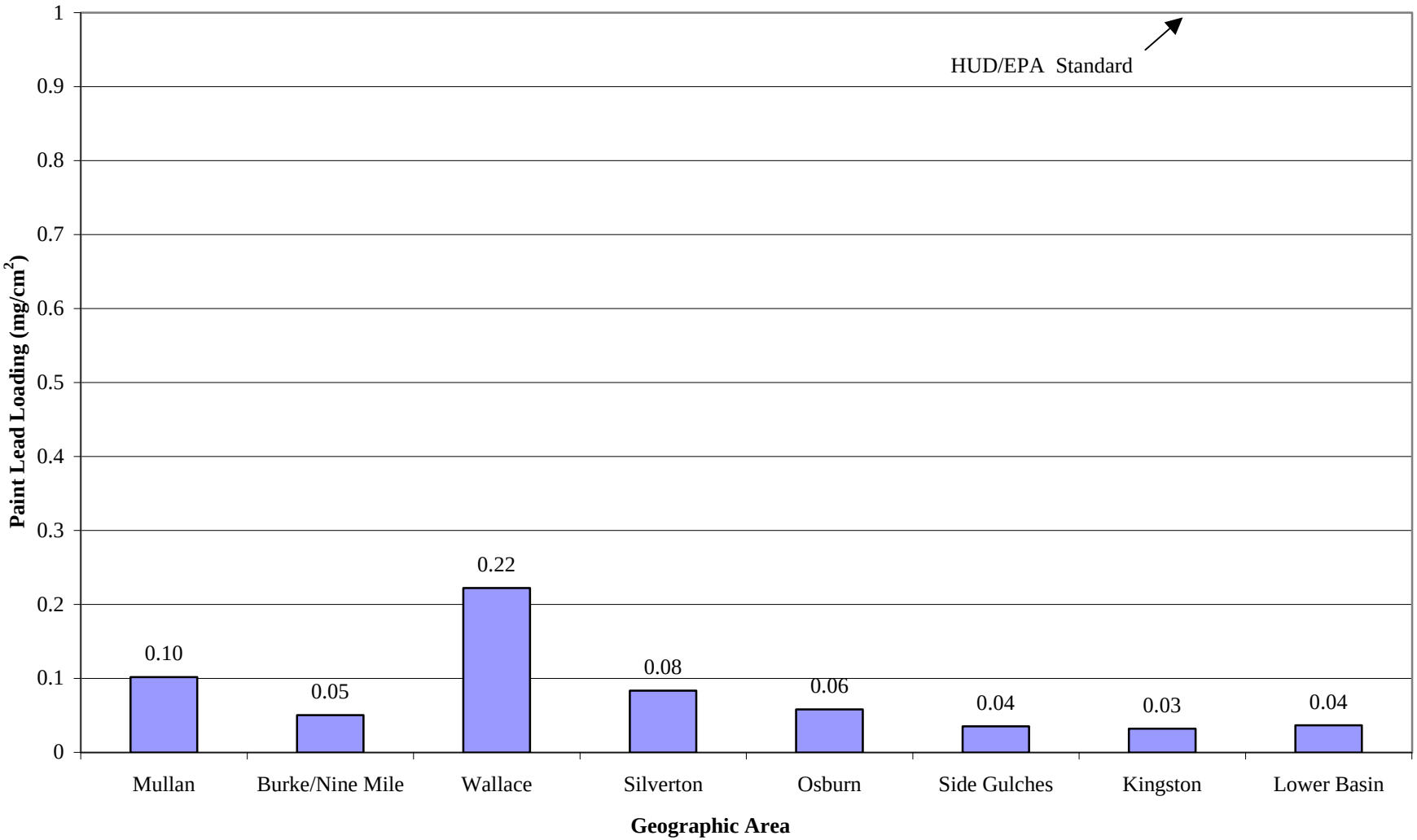


Figure 6-8a Arithmetic Mean Soil and House Dust Lead Concentrations by Geographic Area

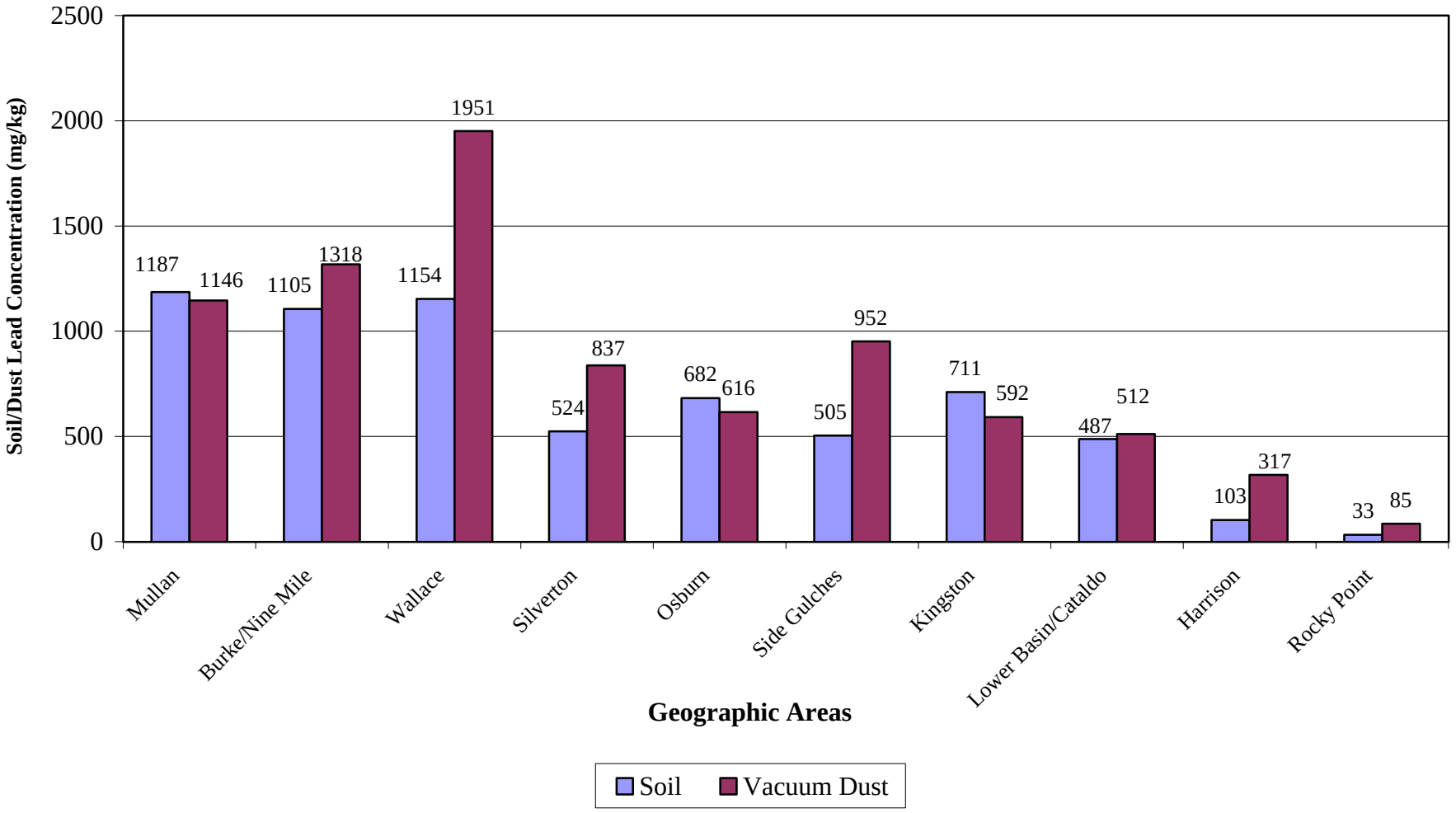


Figure 6-8b Arithmetic Mean Soil and House Dust Lead Concentrations by Geographic Area

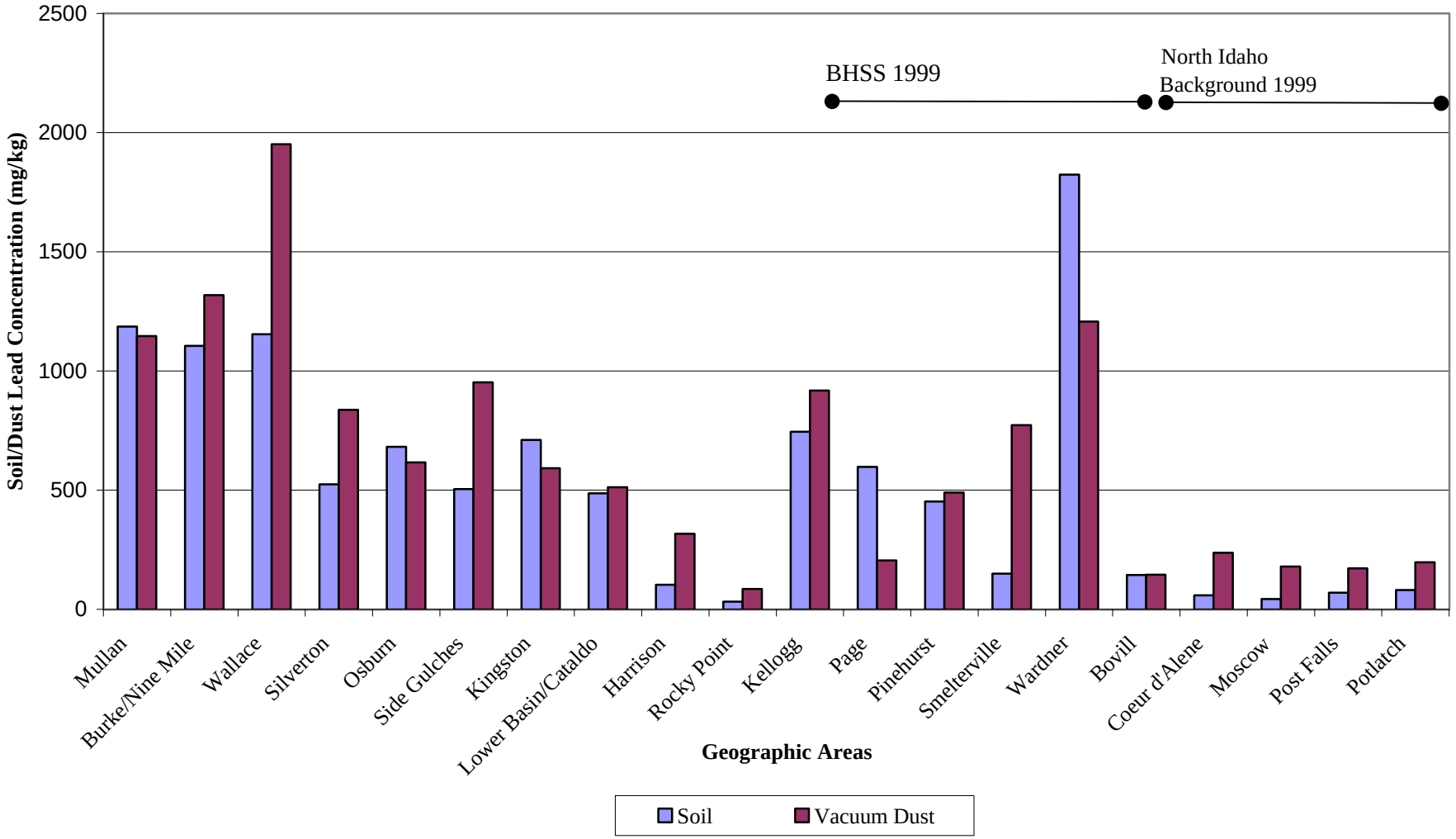


Figure 6-8c Geometric Mean Soil and House Dust Lead Concentrations by Geographic Area

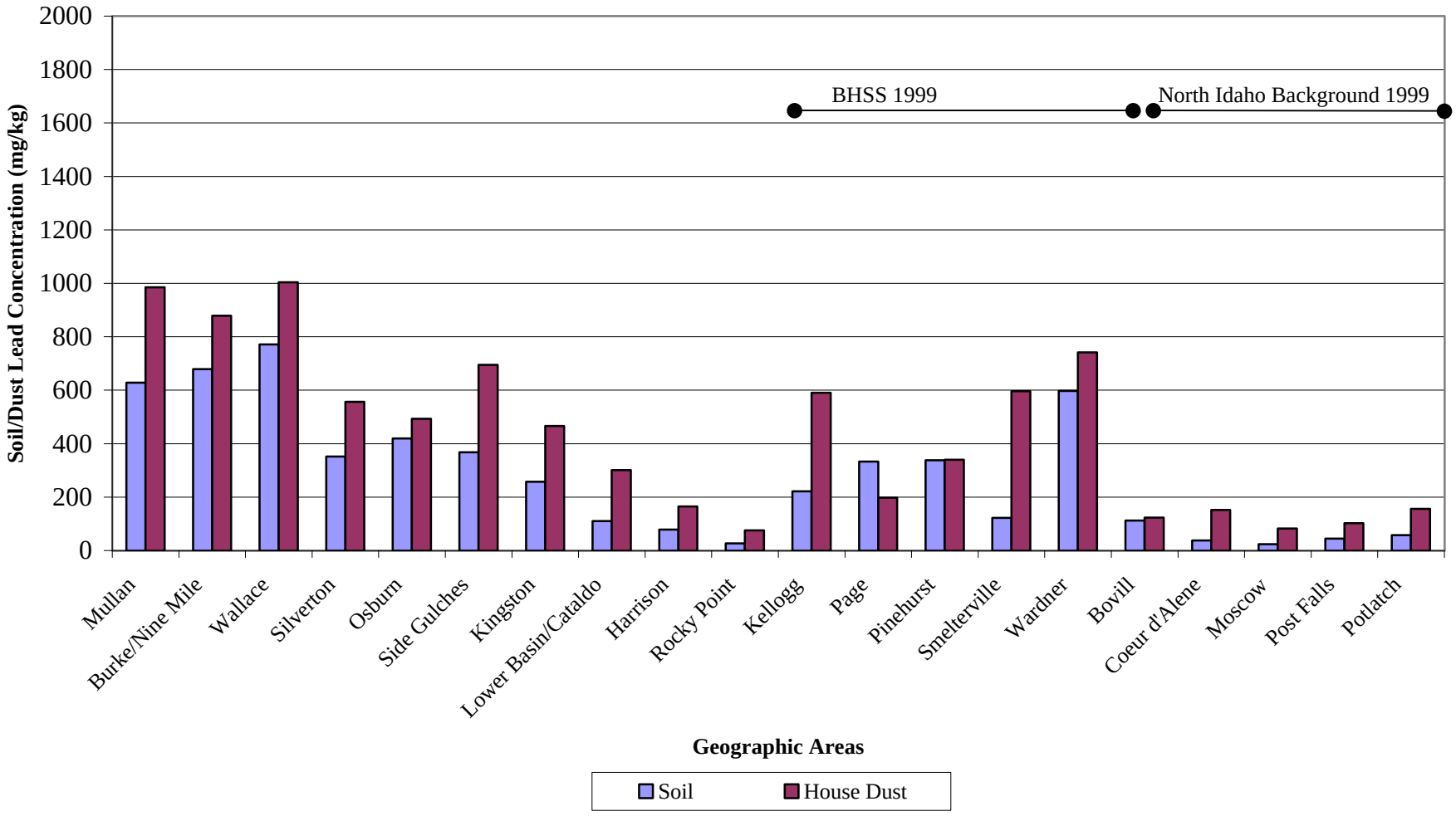


Figure 6-9a Geometric Mean Dust Mat Lead Concentration by Geographic Area

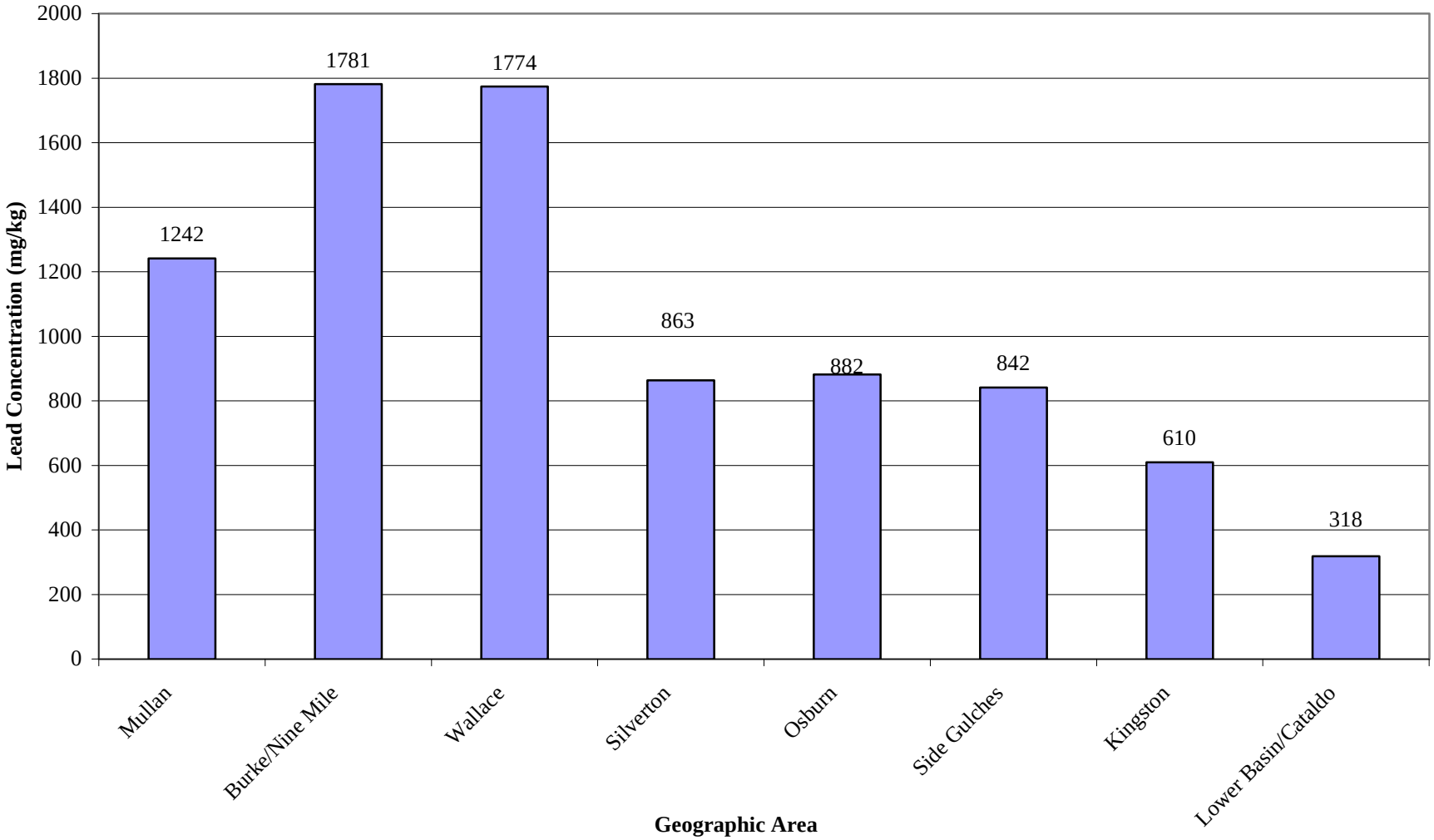


Figure 6-9b Geometric Mean Dust Loading Rate by Geographic Area

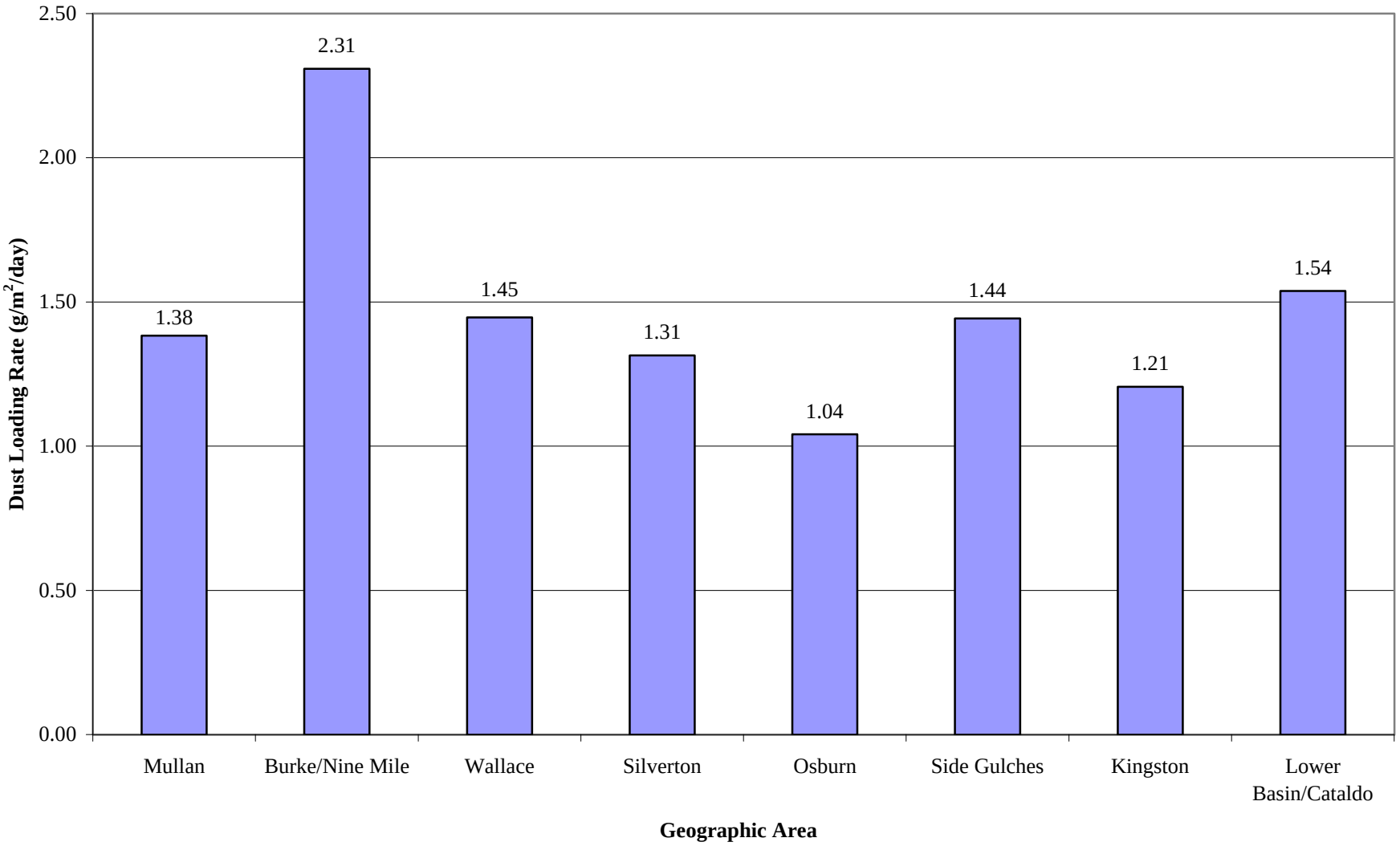


Figure 6-9c Geometric Mean Dust Mat Lead Loading Rate by Geographic Area

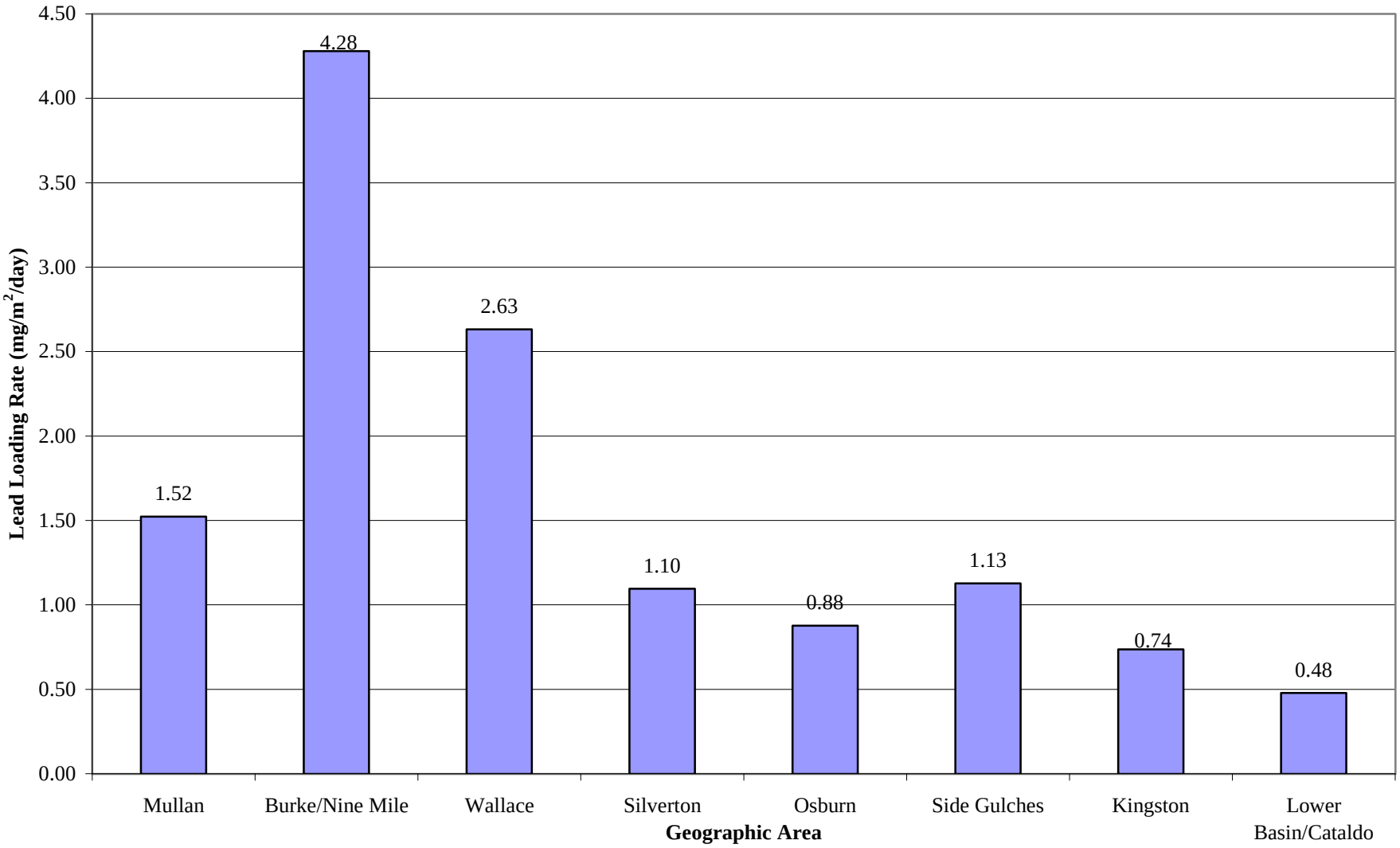
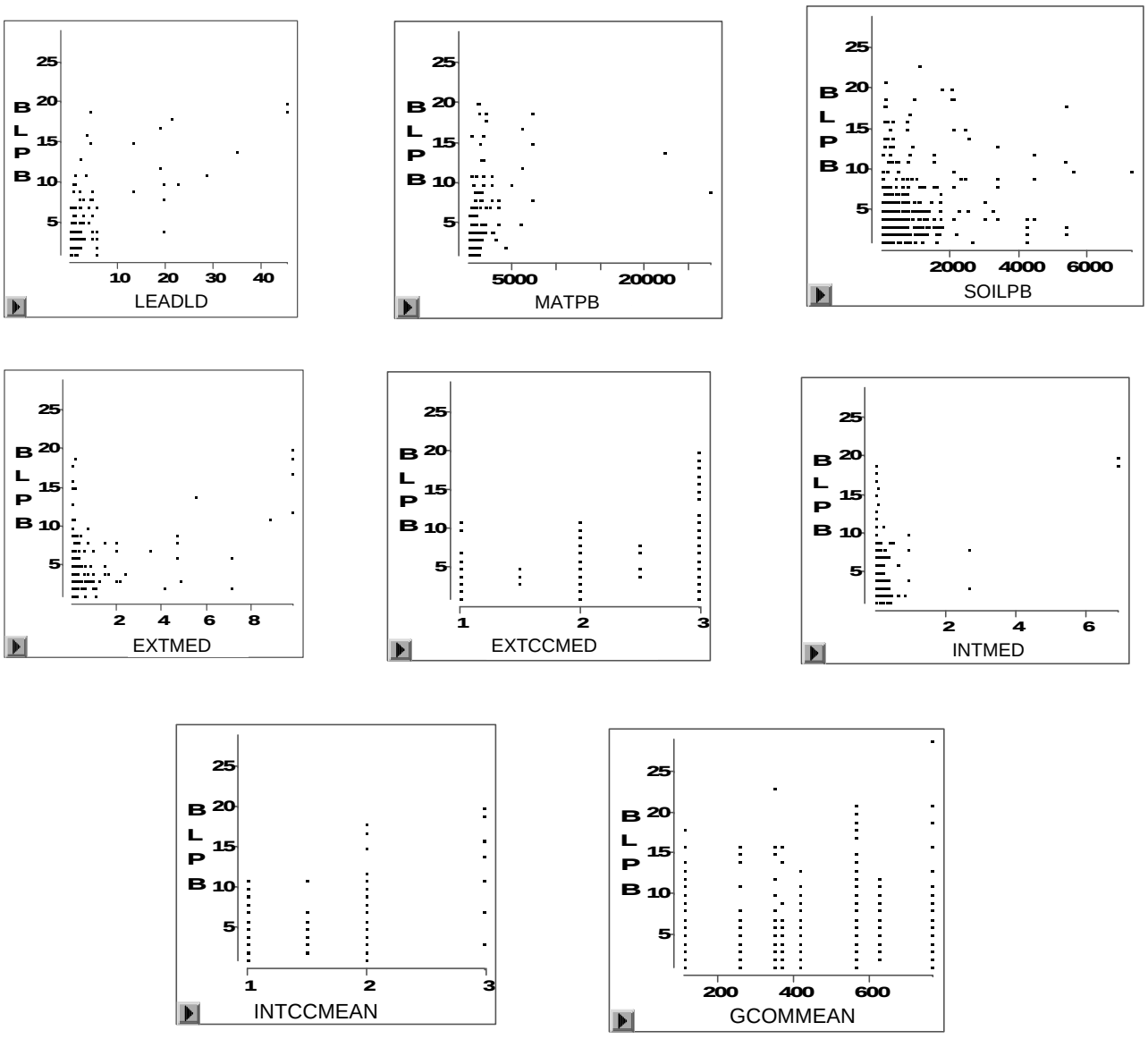
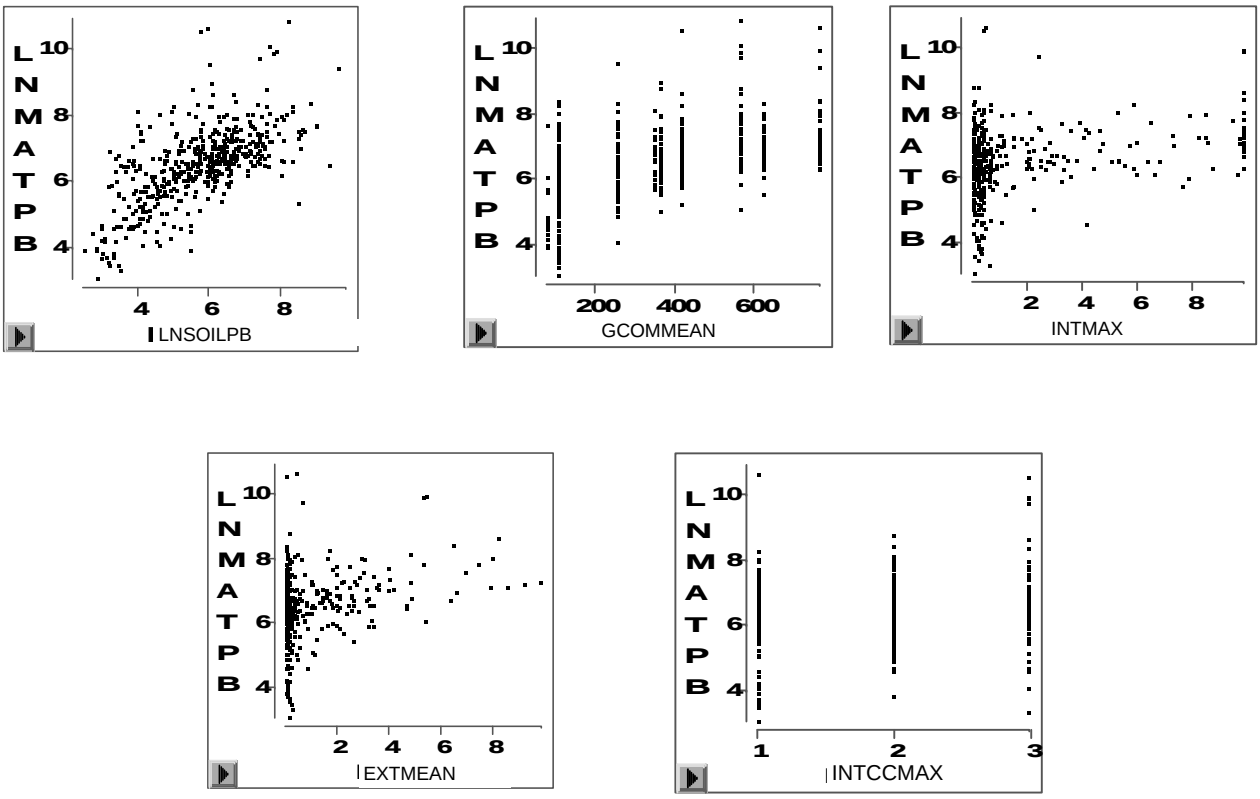


Figure 6-10a Scatterplots for Blood Lead Concentration and Environmental Source Variables



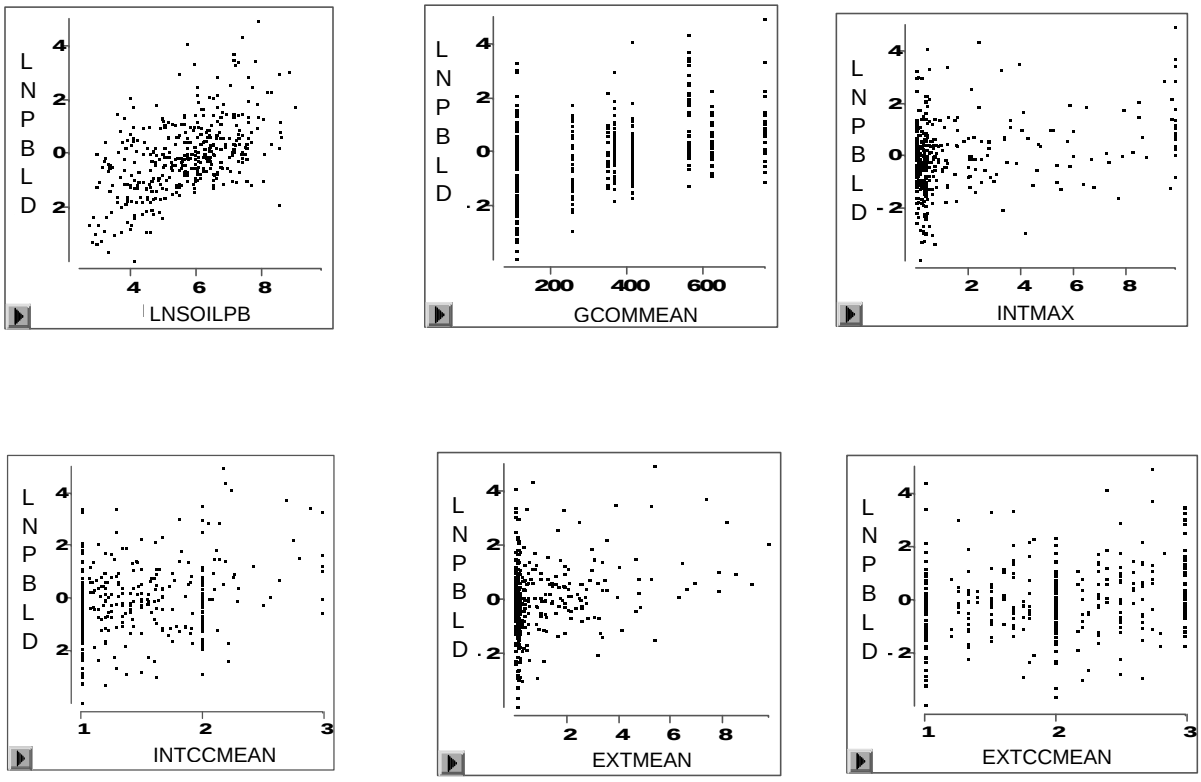
BLPB	Blood lead levels (ug/dl)
MATPB	Mat dust lead concentration (mg/kg)
LEADLD	Lead loading rate (mg/m^2/day)
SOILPB	Yard soil lead concentration (mg/kg)
INTMED	Median interior paint lead loading (mg/cm^2)
INTCCMED	Median interior paint condition (unitless)
EXTMED	Median exterior paint lead loading (mg/cm^2)
EXTCCMED	Median exterior paint condition (unitless)

Figure 6-10b Scatterplots for Dust Lead and Environmental Source Variables



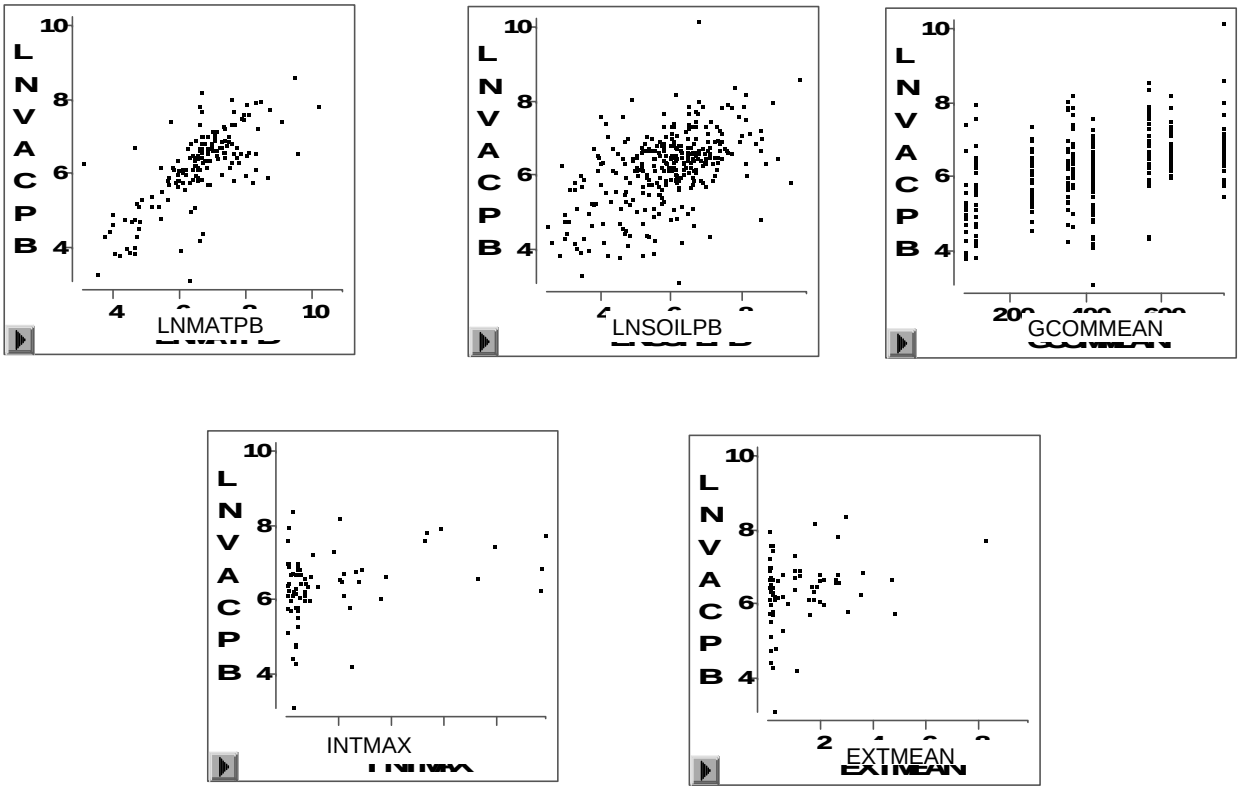
LNMATPB	Ln Mat dust lead concentration (mg/kg)
LNSOILPB	Ln Yard soil lead concentration (mg/kg)
GCOMMEAN	Community geometric mean soil lead concentration (mg/kg)
INTMAX	Maximum interior paint lead loading (mg/cm^2)
INTCCMAX	Maximum interior paint condition (unitless)
EXTMEAN	Arithmetic mean exterior paint lead loading (mg/cm^2)
GCOMMEAN	Community geometric mean soil lead concentration (mg/kg)

Figure 6-10c Scatterplots for Dust Lead Loading and Environmental Source Variables



LNPBLD	Ln Lead loading rate (mg/m^2/day)
LNSOILPB	Ln Yard soil lead concentration (mg/kg)
GCOMMEAN	Community geometric mean soil lead concentration (mg/kg)
INTMAX	Maximum interior paint lead loading (mg/kg)
INCCMEAN	Arithmetic mean interior paint condition (unitless)
EXTMEAN	Arithmetic mean exterior paint lead loading (mg/kg)
EXCCMEAN	Arithmetic mean exterior paint condition (unitless)

Figure 6-10d Scatterplots for Vacuum Dust Concentration and Environmental Variables



LNVACPB	Ln Vacuum cleaner dust lead concentration (mg/kg)
LNMATPB	Ln Mat dust lead concentration (mg/kg)
LNSOILPB	Ln Yard soil lead concentration (mg/kg)
GCOMMEAN	Community geometric mean soil lead concentration
INTMAX	Maximum interior paint lead loading (mg/cm^2)
EXTMEAN	Arithmetic mean exterior paint lead loading (mg/cm^2)

Figure 6-11
Percentage of Blood Lead Observations ≥ 10 ug/dl Associated With an Interior Lead Paint Hazard

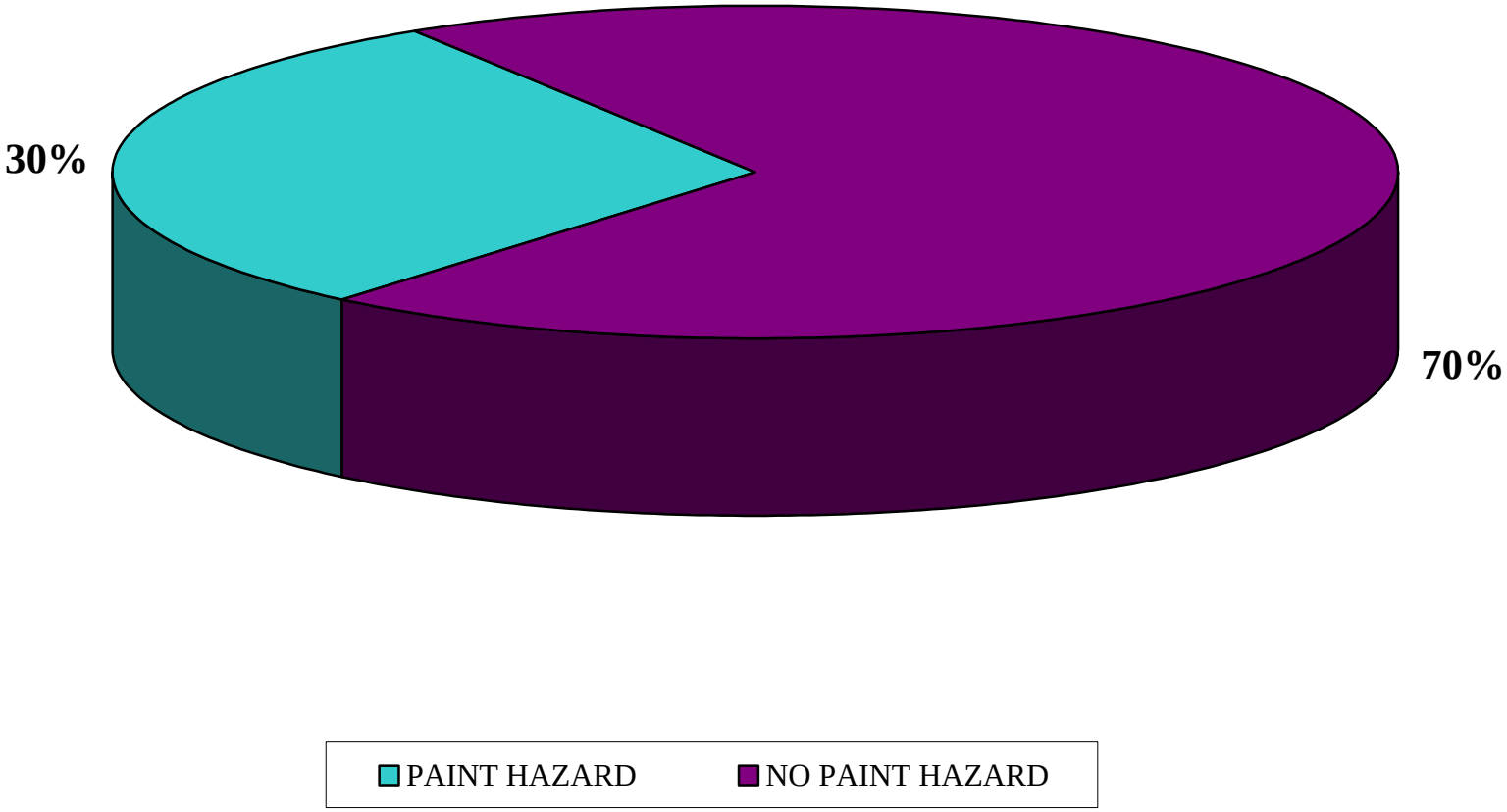


Figure 6-12a Comparison of Geometric Mean Environmental Lead Levels Between High and Low Blood Lead Levels in Children (1-9 yrs.) Exposed to an Interior Lead Paint Hazard

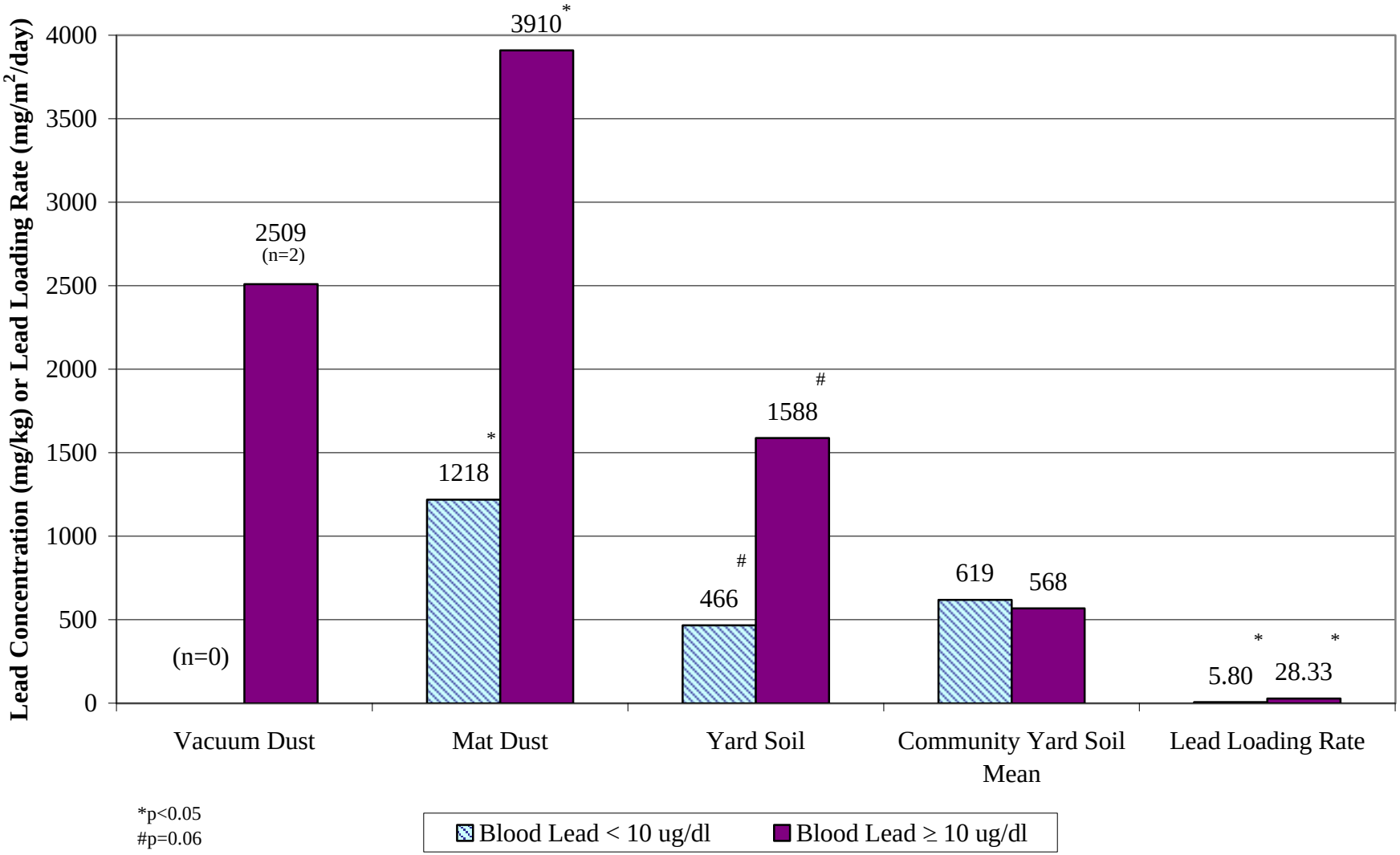


Figure 6-12b Comparison of Geometric Mean Environmental Lead Levels Between High and Low Blood Lead Levels in Children (1-9 yrs.) Not Exposed to an Interior Lead Paint Hazard

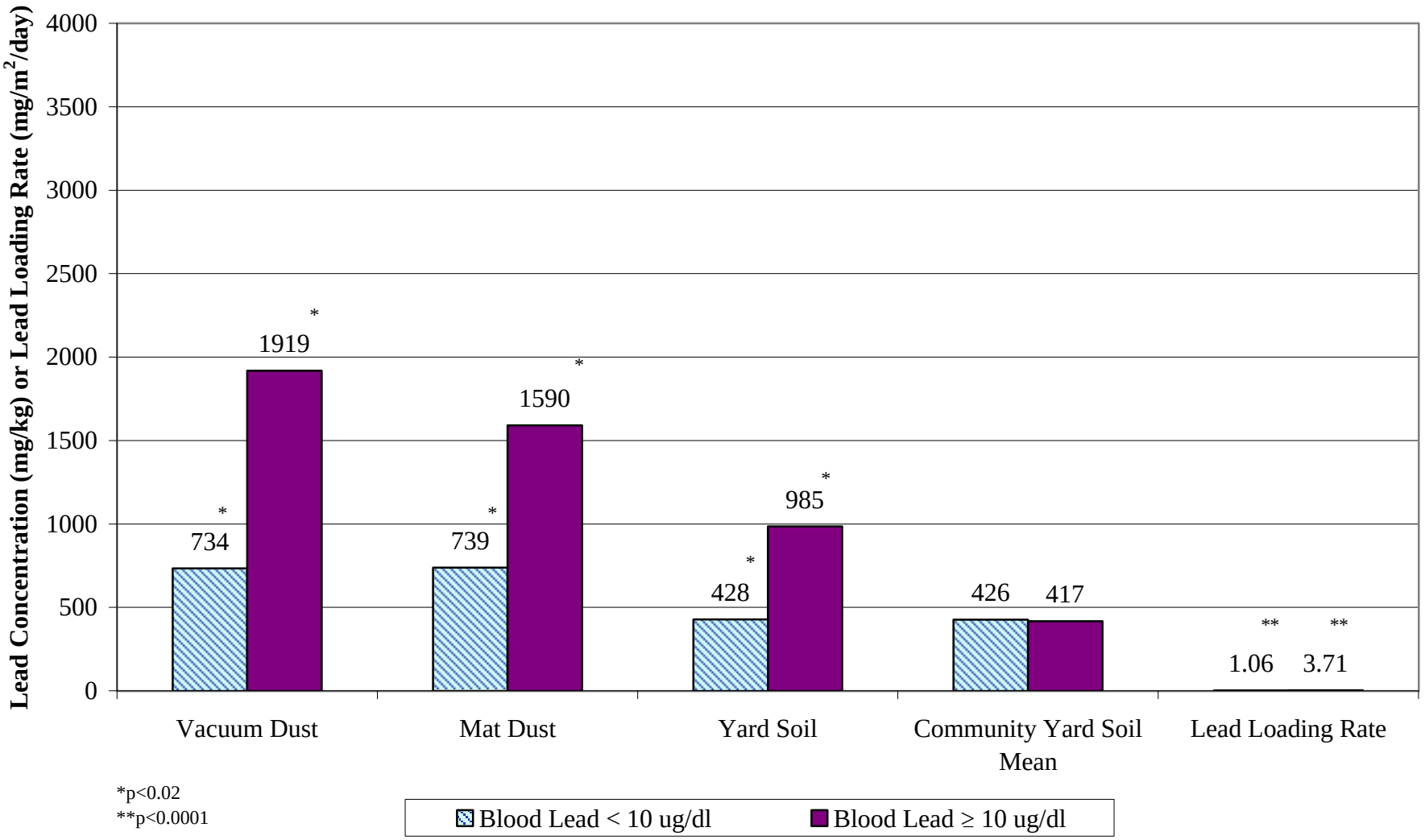


Figure 6-13 Geometric Mean Dust Mat and Vacuum Bag Dust Lead Concentration by Geographic Area

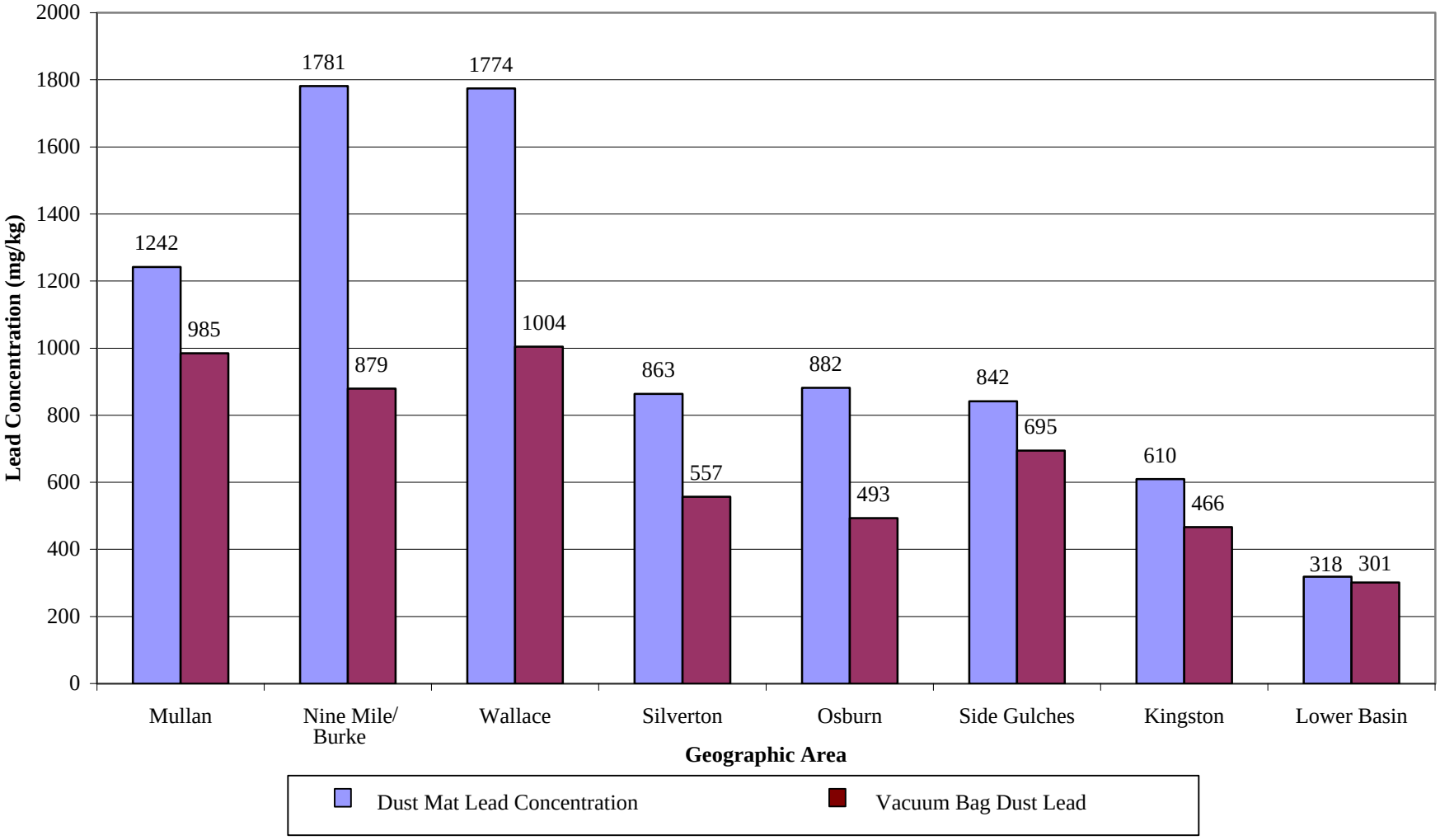


Figure 6-14a Estimated Lead Intake for Four-year-old Children by Geographic Area - EPA Default

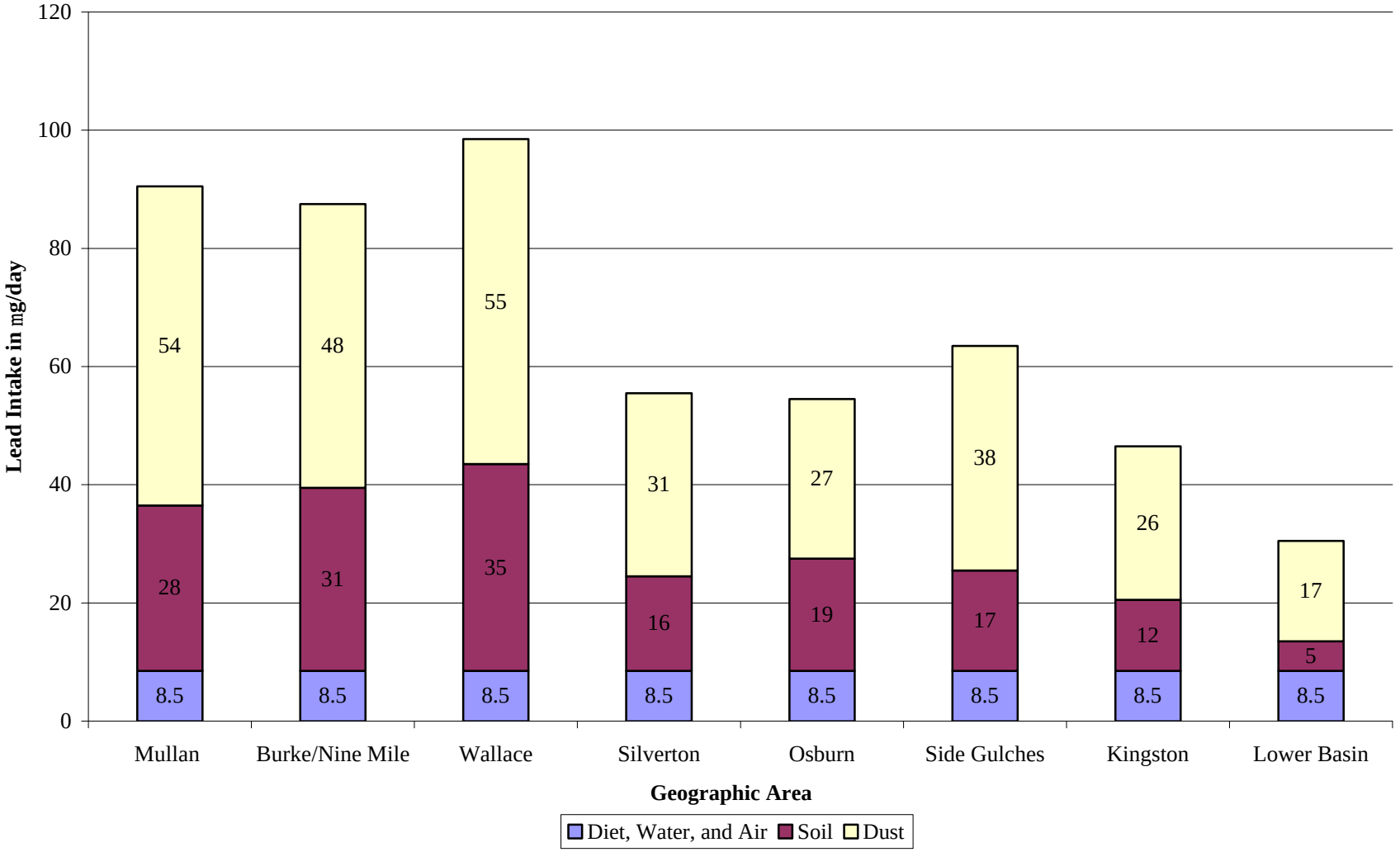


Figure 6-14b Estimated Lead Intake for Four-year-old Children by Geographic Area - Box Model

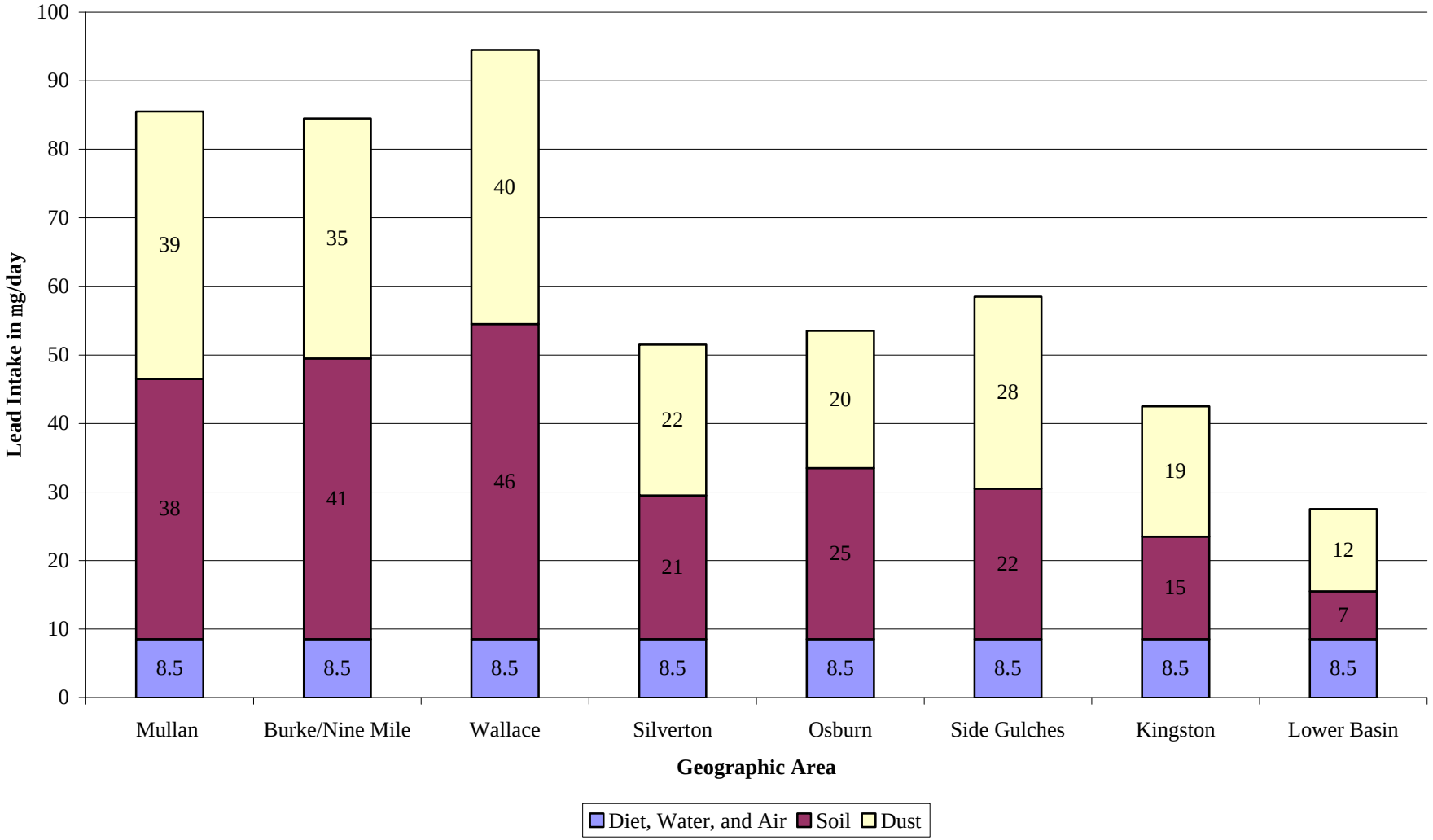


Figure 6-15a Occupational CT Lead Intake Rates Compared to Baseline

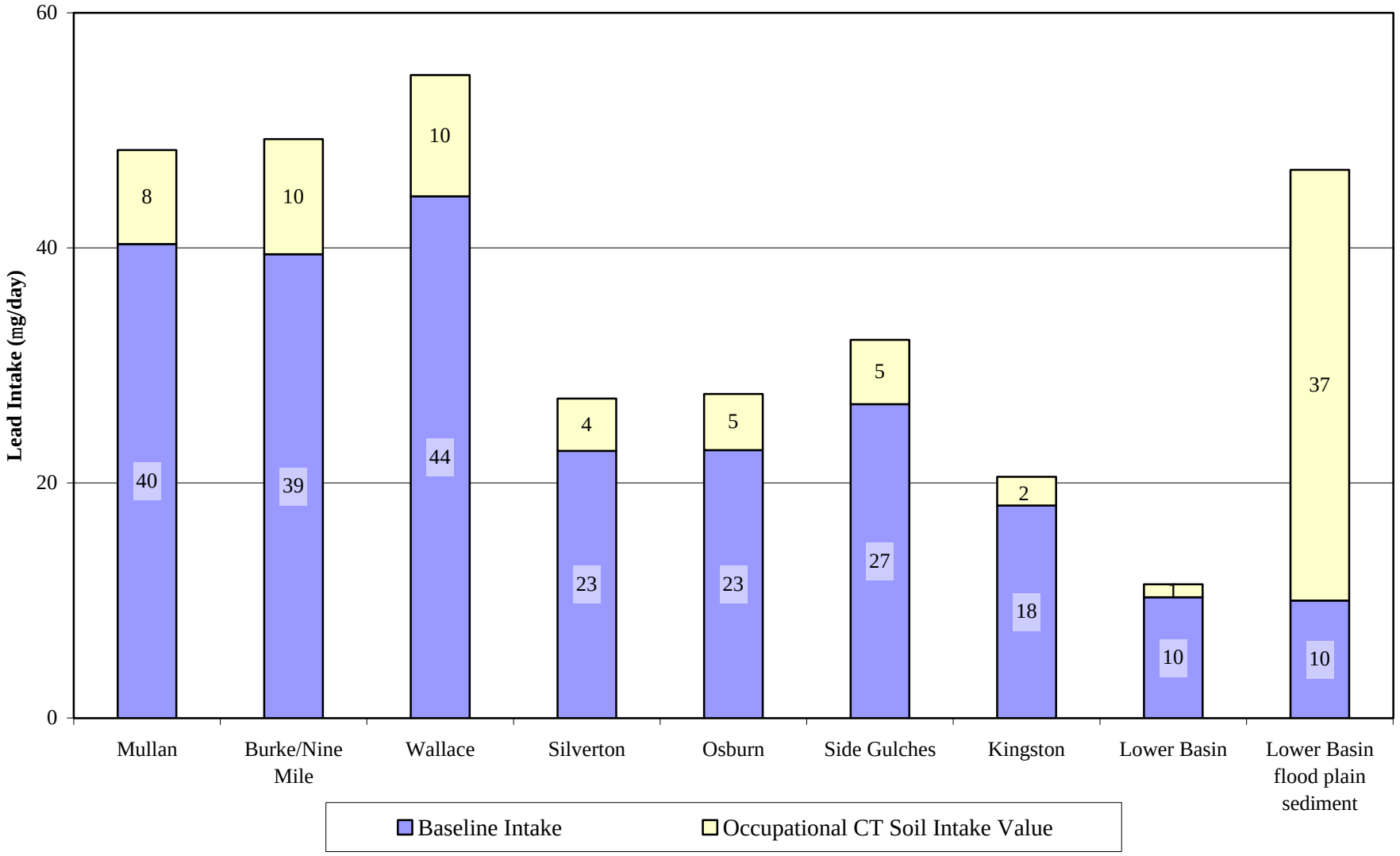


Figure 6-15b Occupational RME Lead Intake Rates Compared to Baseline

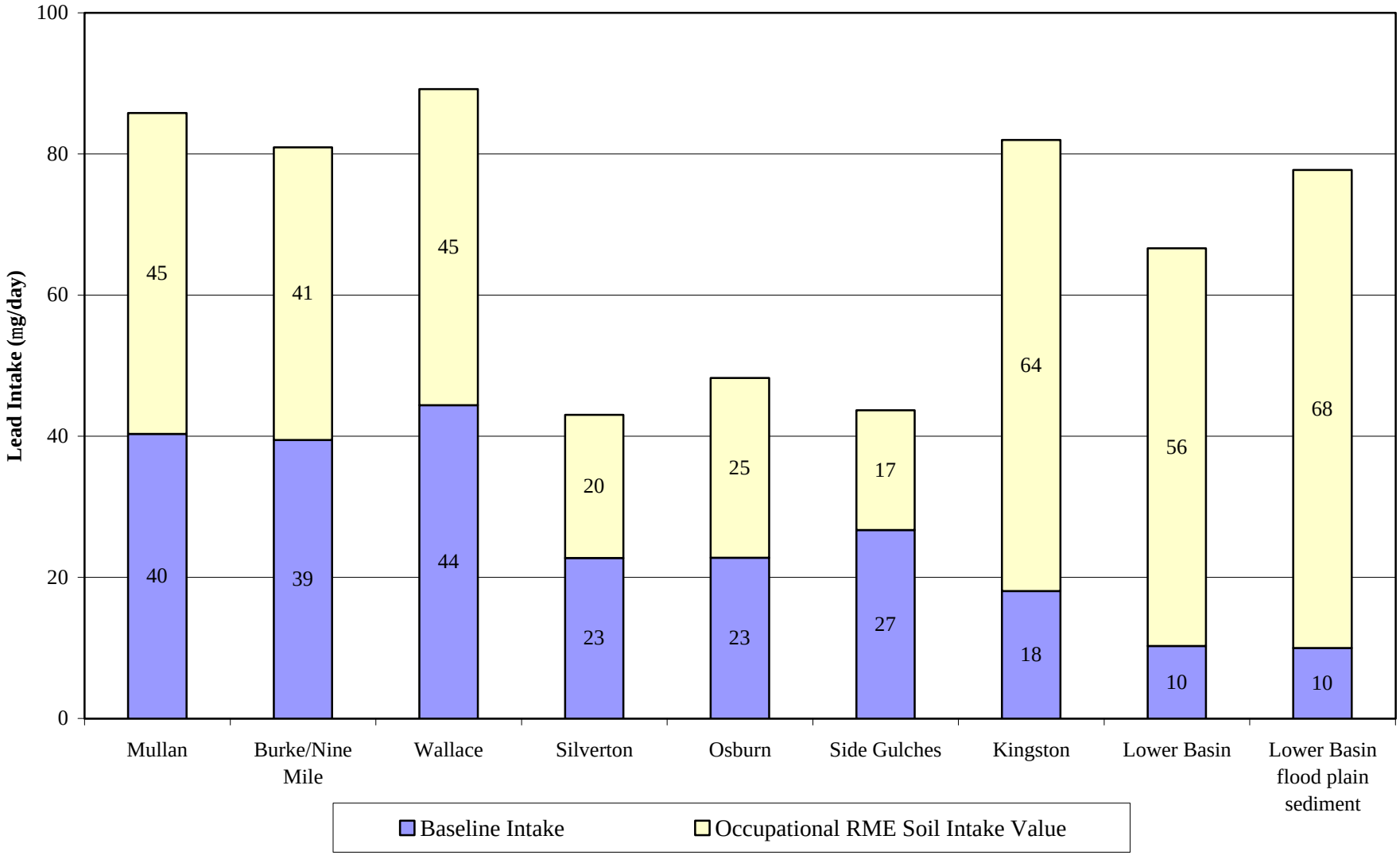


Figure 6-16a Summary of Children's Recreational Potential Incremental Lead Intakes - CT

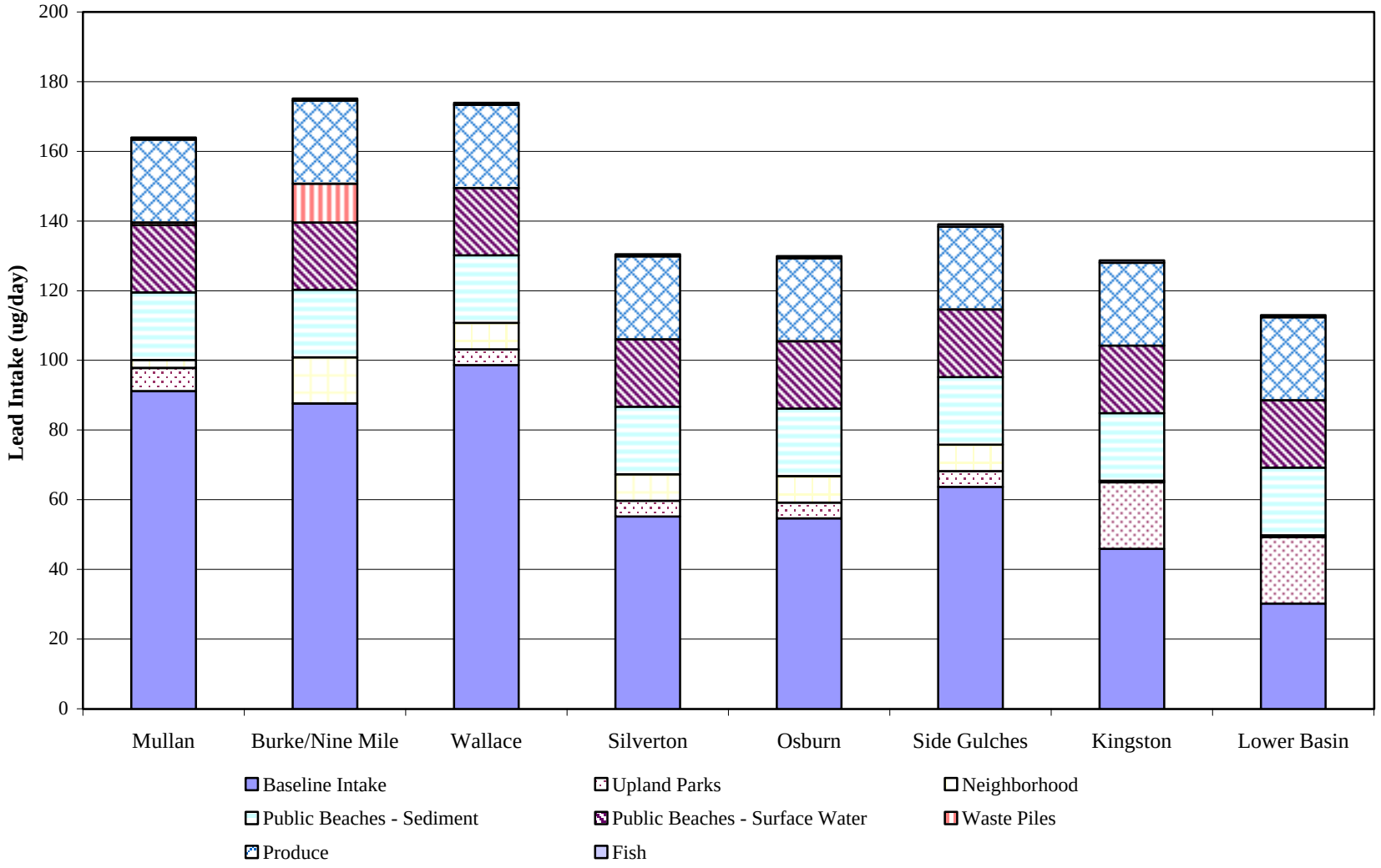


Figure 6-16b Summary of Children's Recreational Potential Incremental Lead Intakes - RME

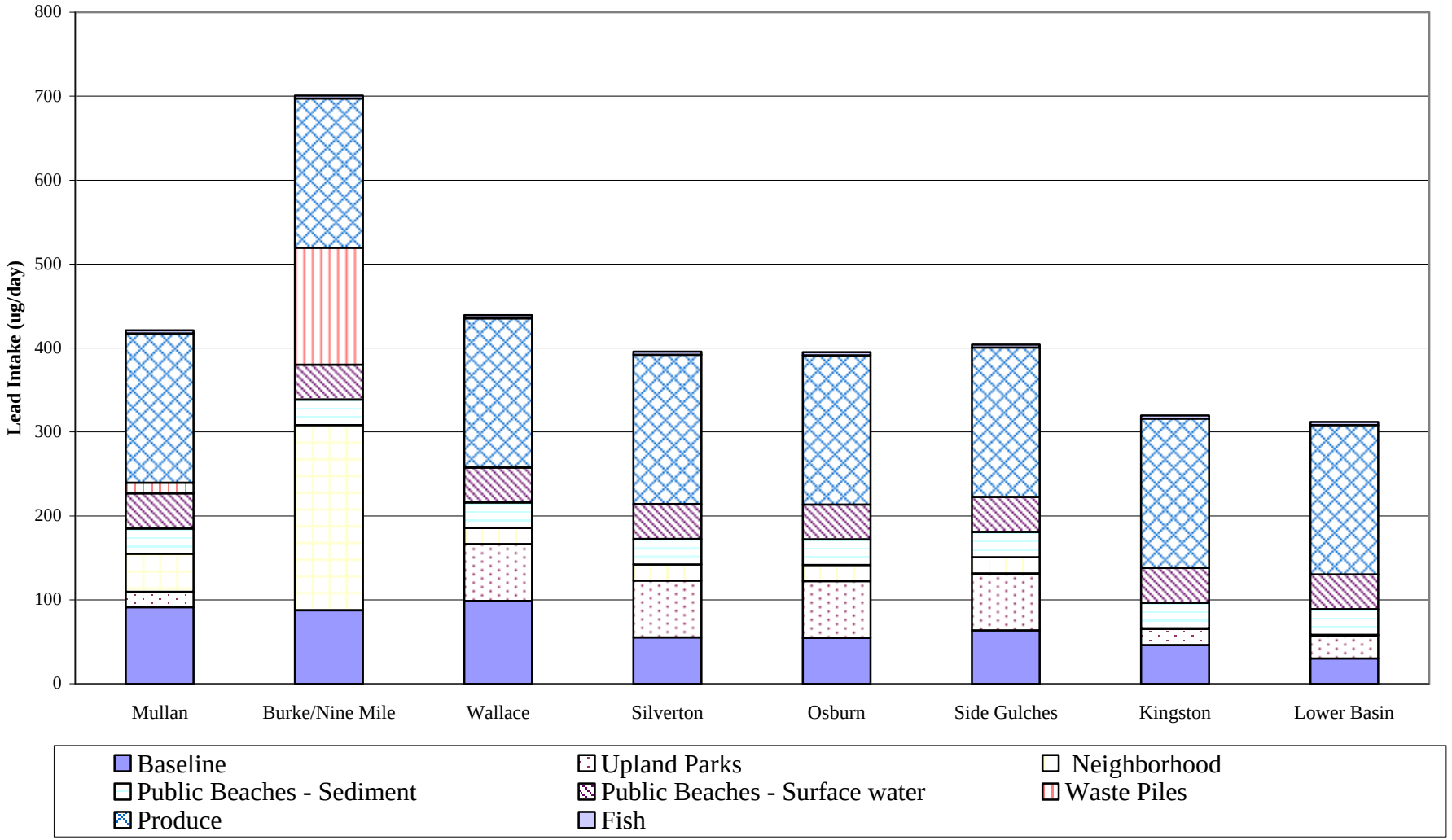


Figure 6-16c Summary of Adult Recreational Potential Incremental Lead Intakes - CT

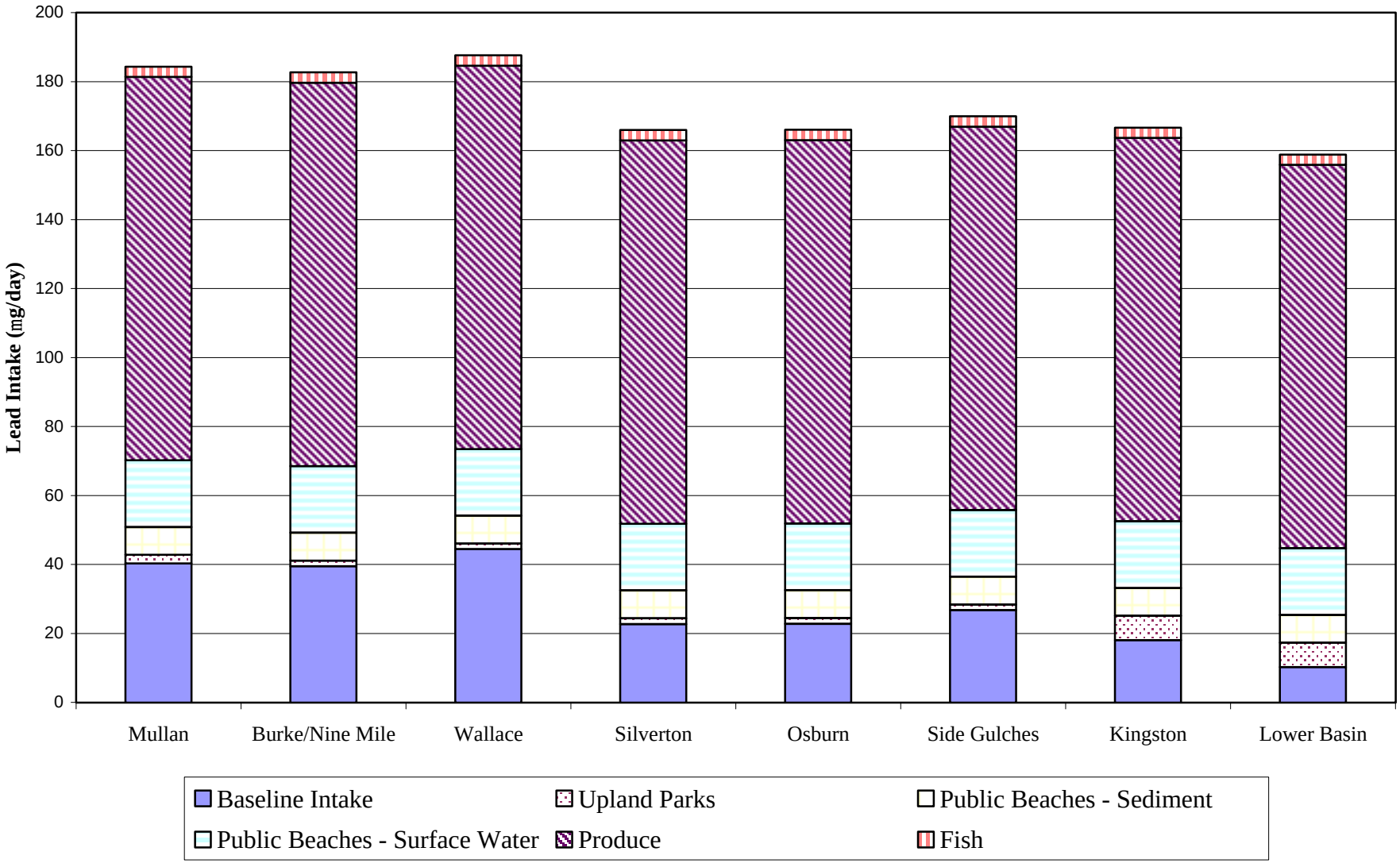


Figure 6-16d Summary of Adult Recreational Potential Incremental Lead Intakes - RME

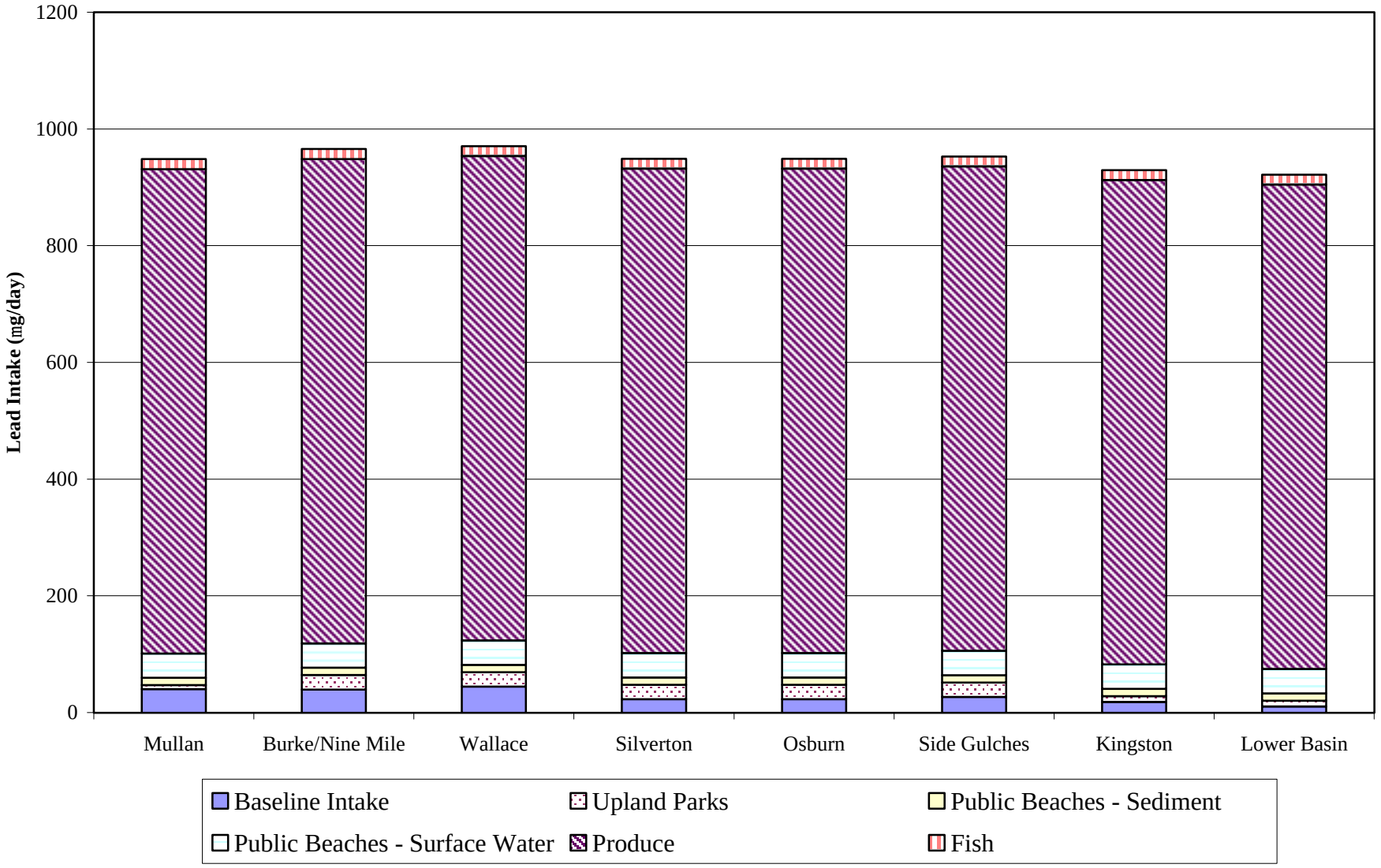


Figure 6-17a Estimated CT Tribal Children Lead Intake Rates

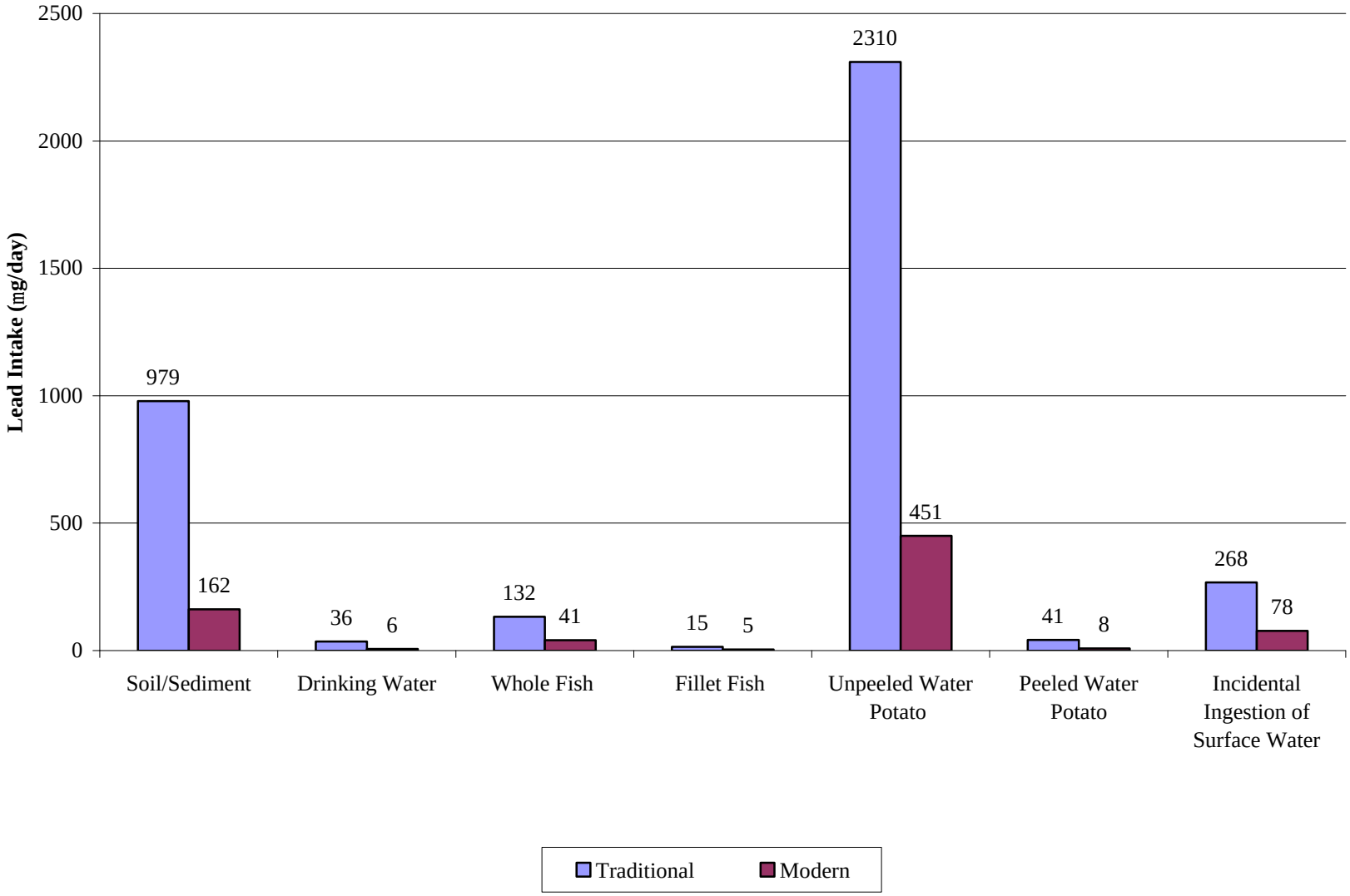


Figure 6-17b Estimated RME Tribal Children Lead Intake Rates

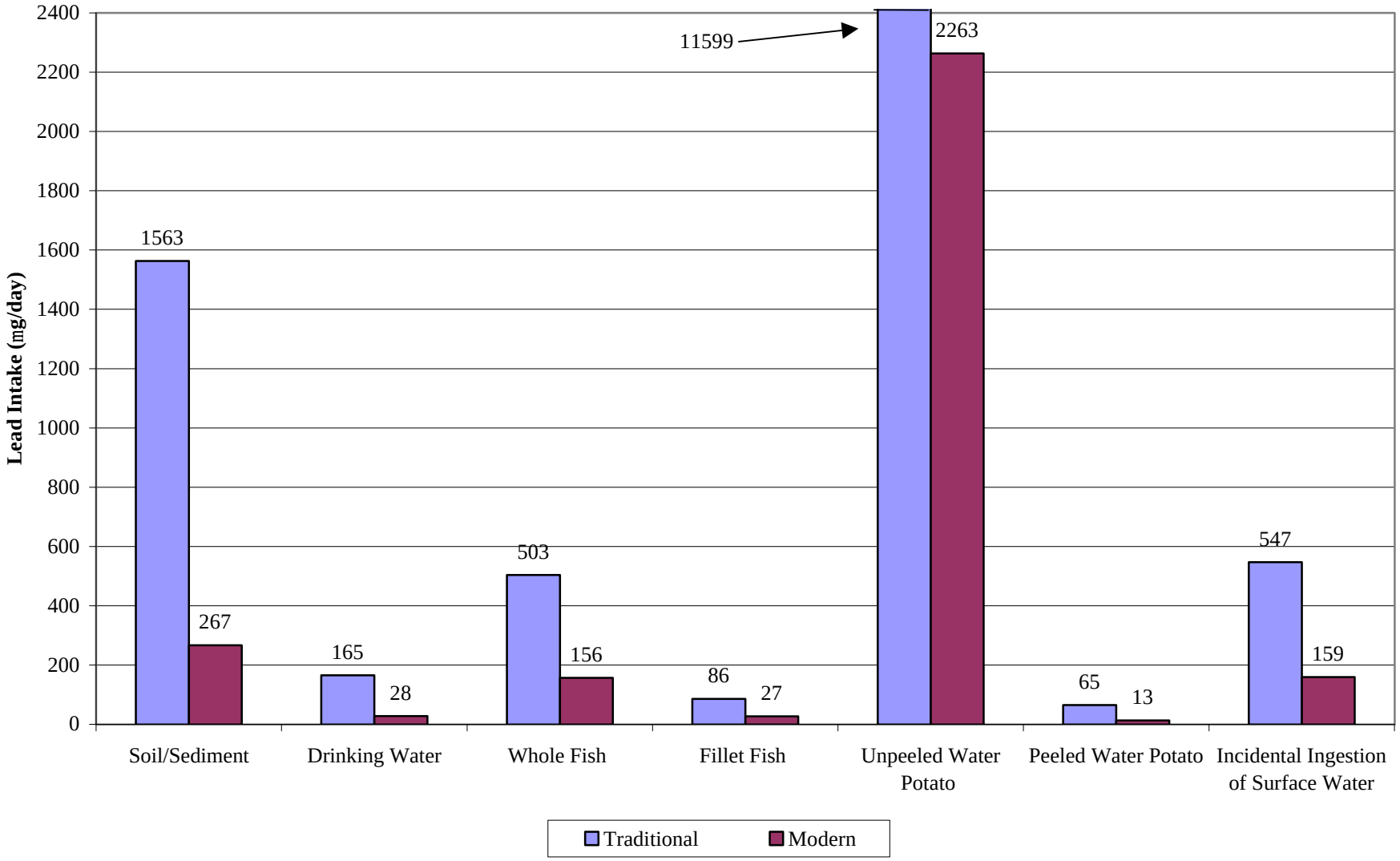


Figure 6-18a Estimated CT Tribal Adult Lead Intake Rates

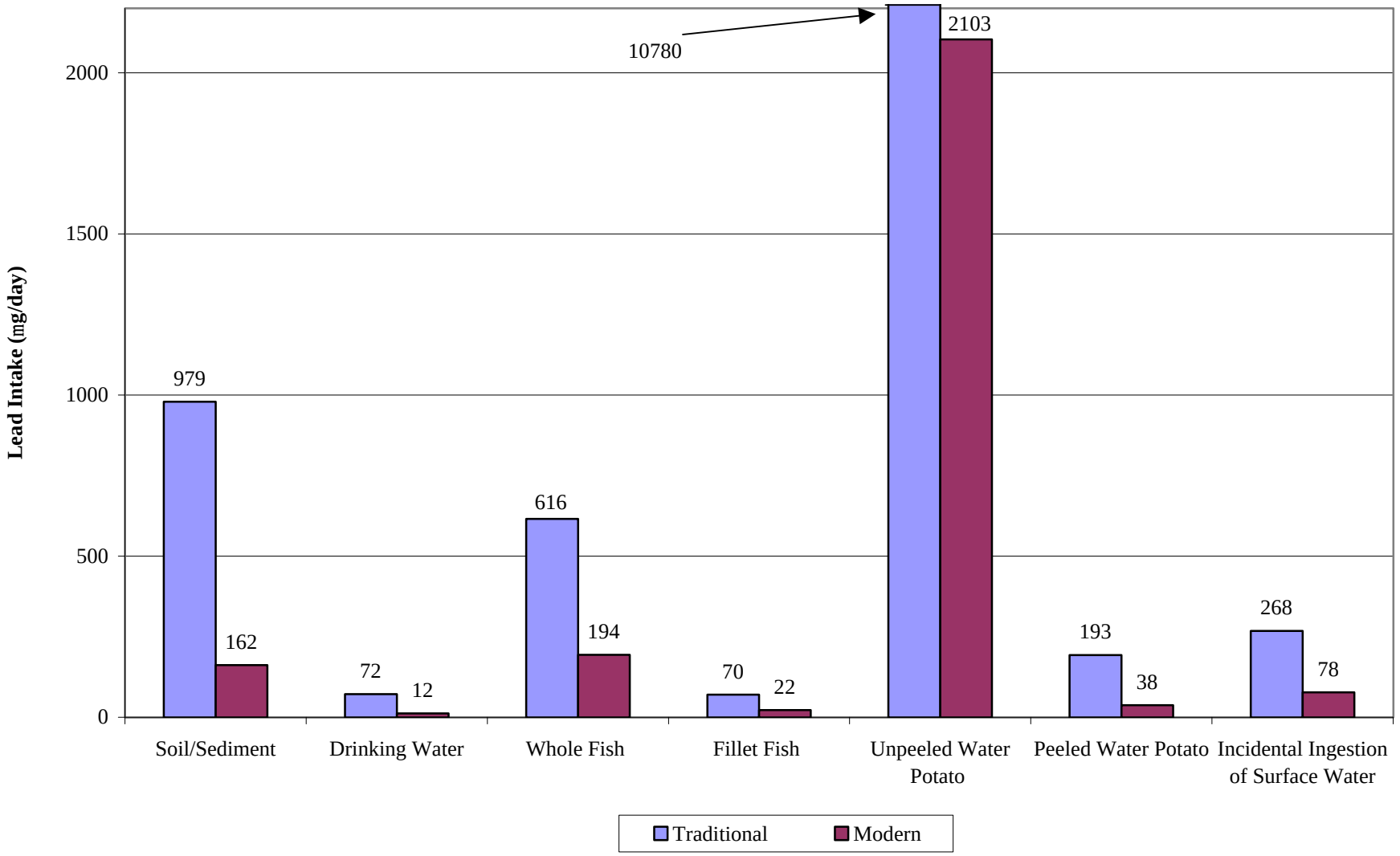


Figure 6-18b Estimated RME Tribal Adult Lead Intake Rates

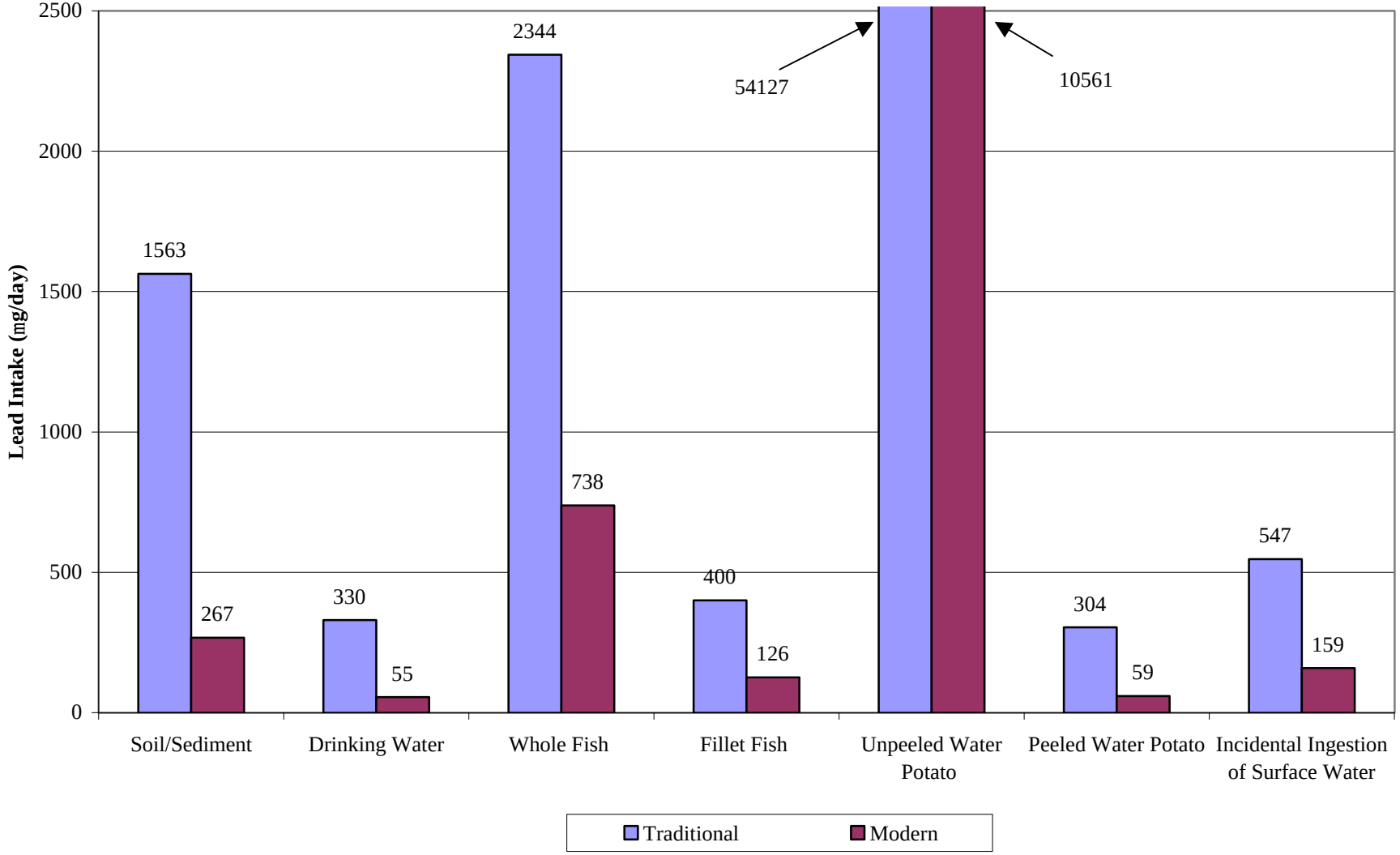


Figure 6-19a Observed and Predicted Geomean Blood Lead Levels for 9-84 Month Old Children Only - IEUBK Batch Mode

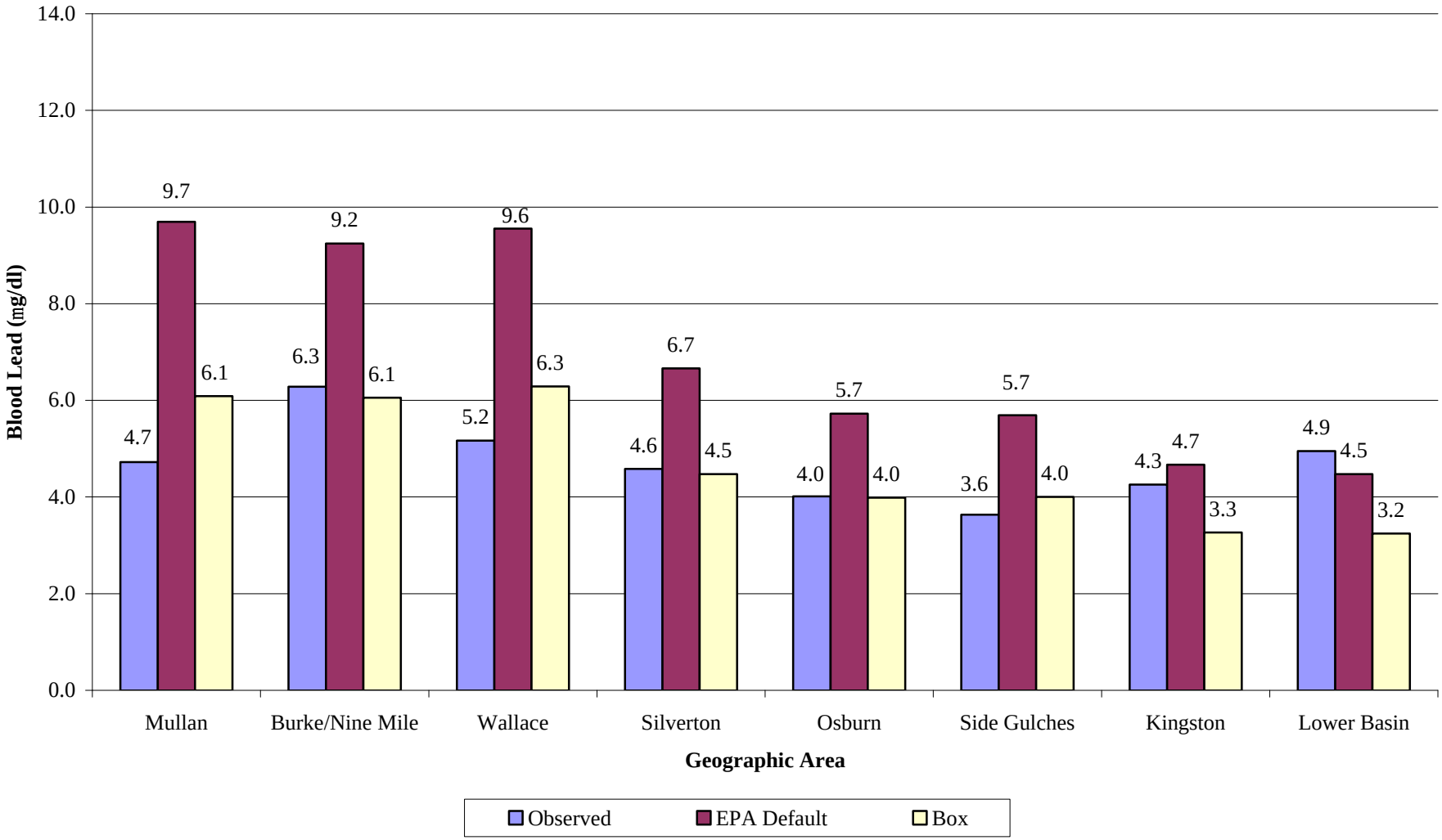


Figure 6-19b Observed and Predicted Blood Lead Levels for 9-60 Month Old Children- IEUBK Batch Mode

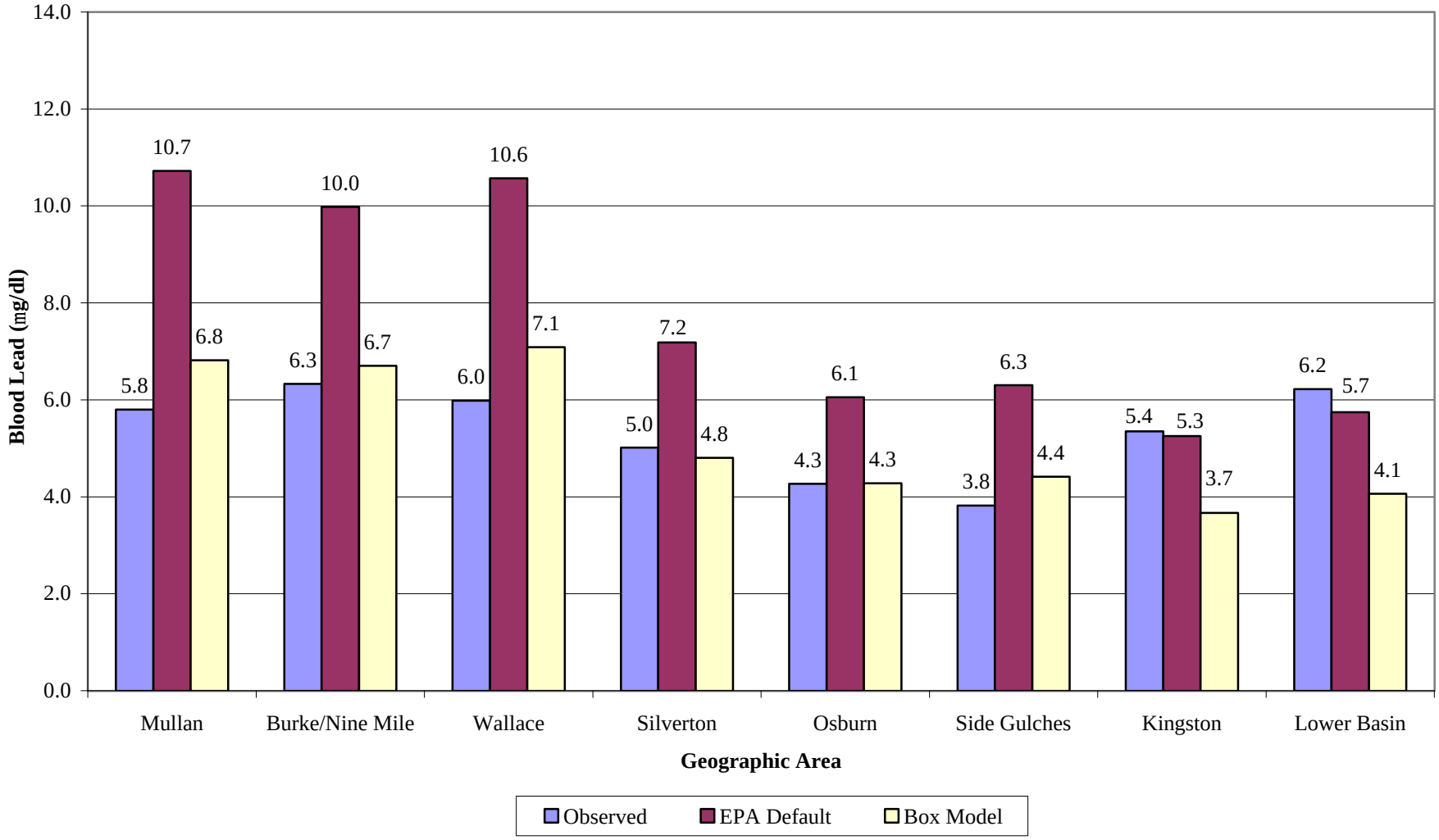


Figure 6-19c Observed and Predicted Blood Lead Levels for 9-24 Month Old Children- IEUBK Batch Mode

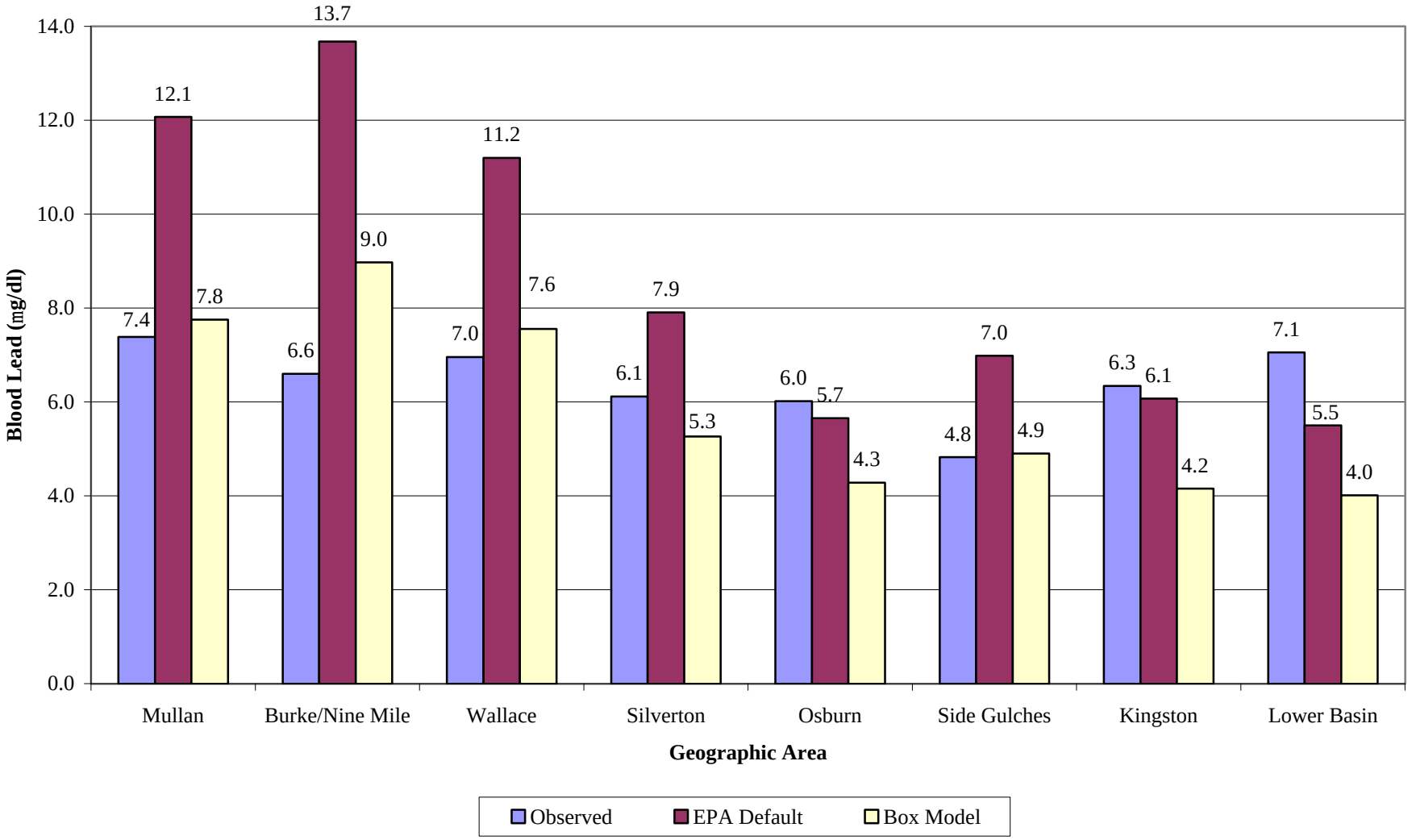


Figure 6-20a Observed and Predicted Percent to Exceed 10 mg/dl for 9-84 Month Old Children - IEUBK Batch Mode

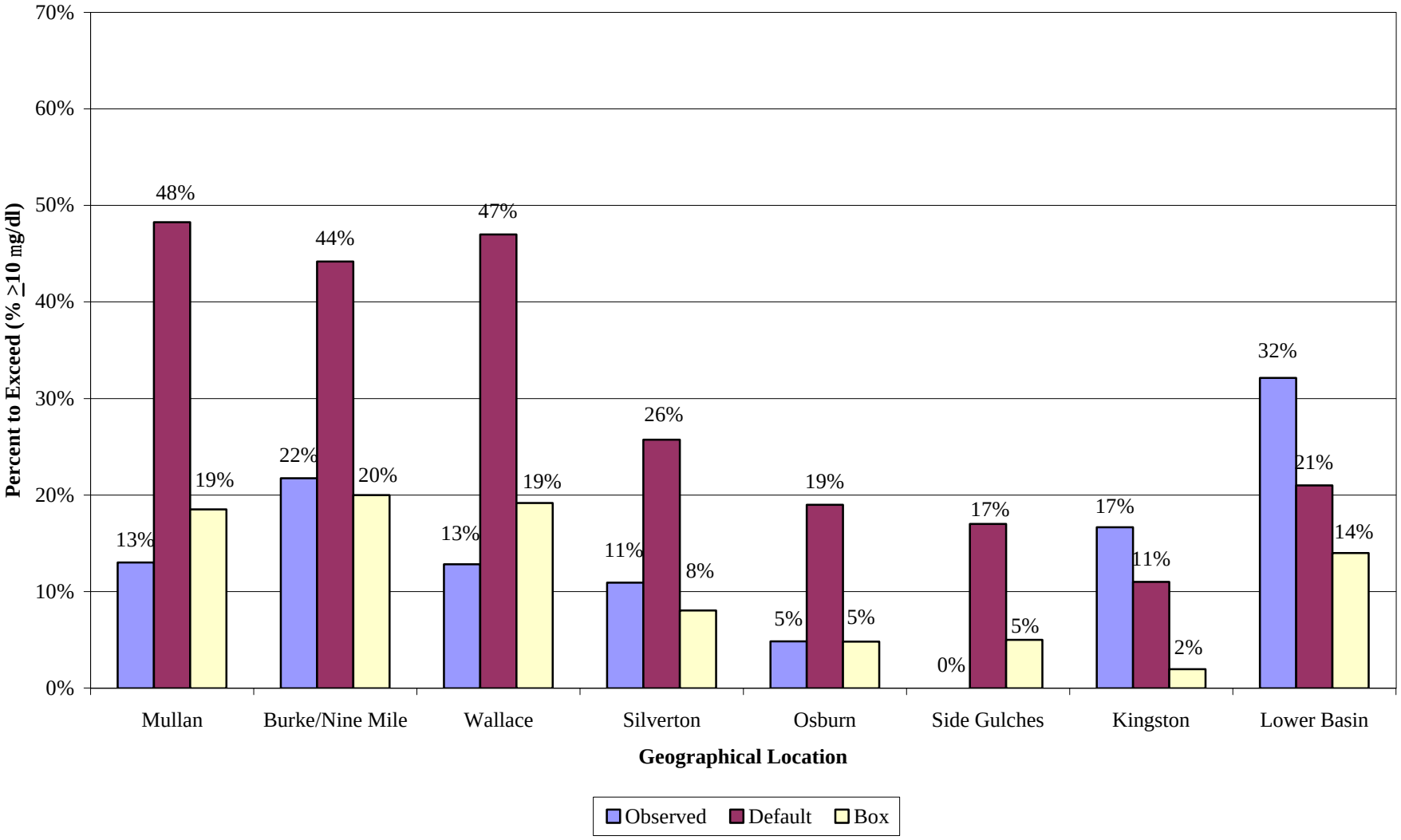


Figure 6-20b Observed and Predicted Percent to Exceed Levels for 9-60 Month Old Children-IEUBK Batch Mode

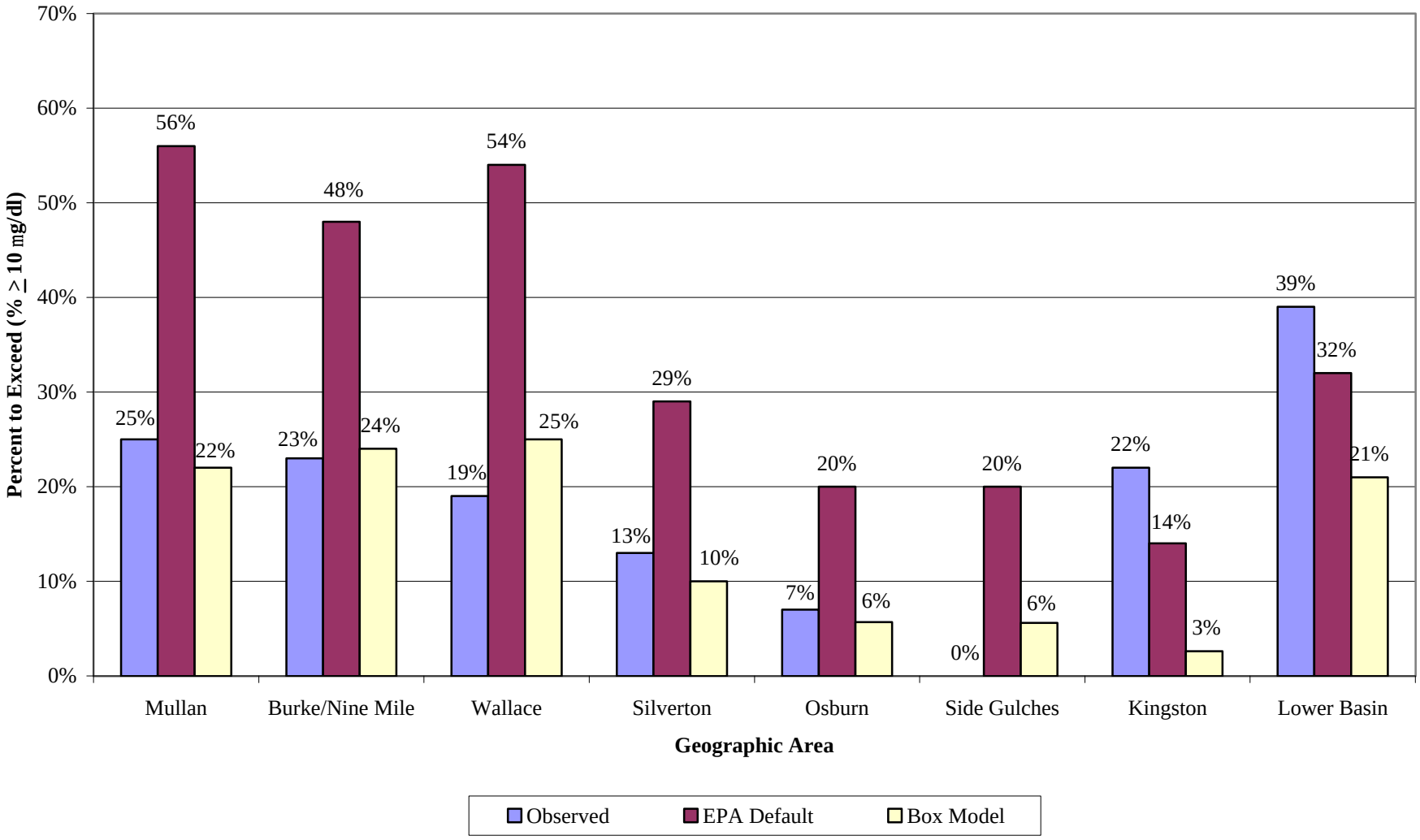


Figure 6-20c Observed and Predicted Percent to Exceed Levels for 9-24 Month Old Children-IEUBK Batch Mode

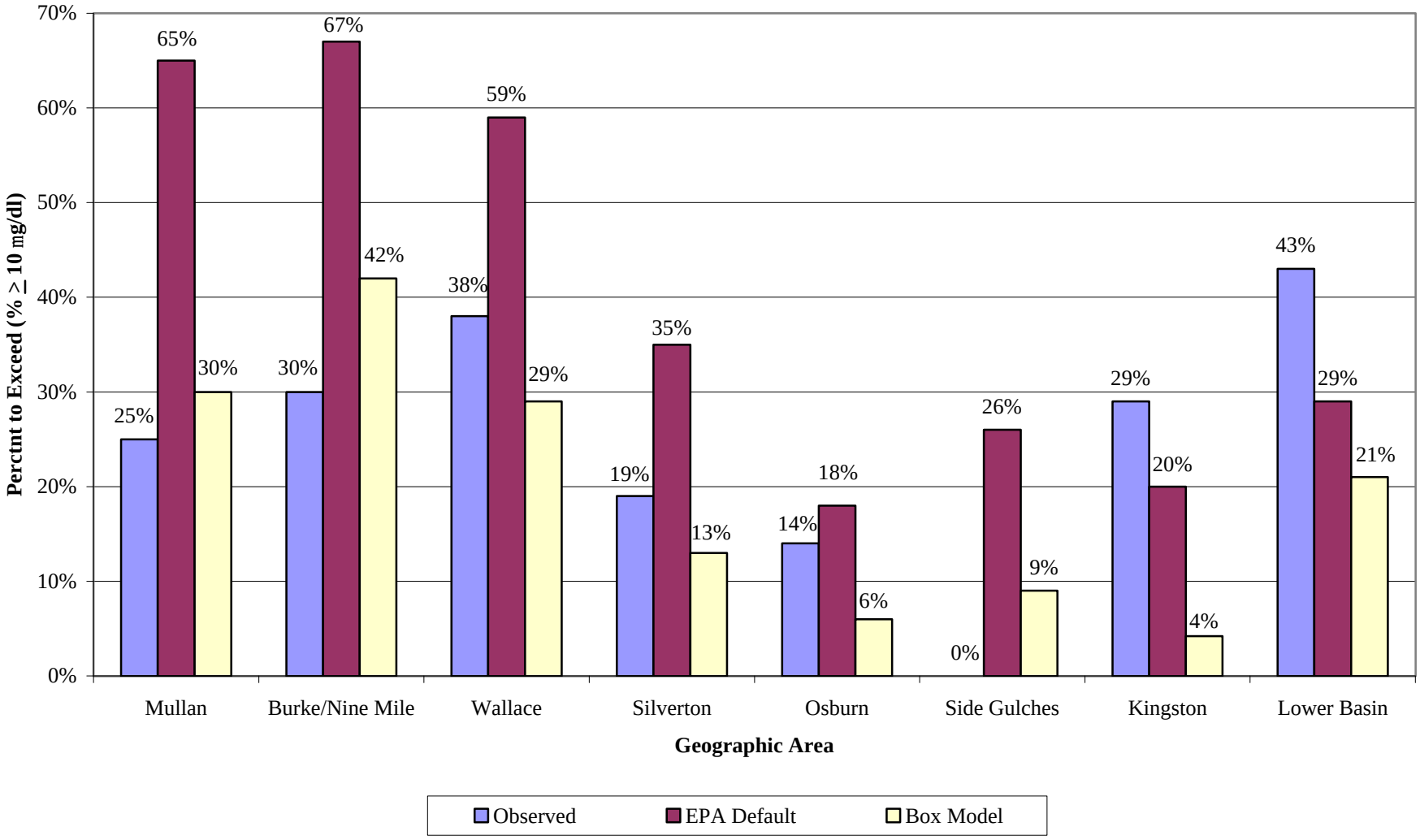


Figure 6-21a Incremental Blood Lead Estimates for 0-9 Year-Old Children by Recreational Activity and Local Foodstuff - Mullan

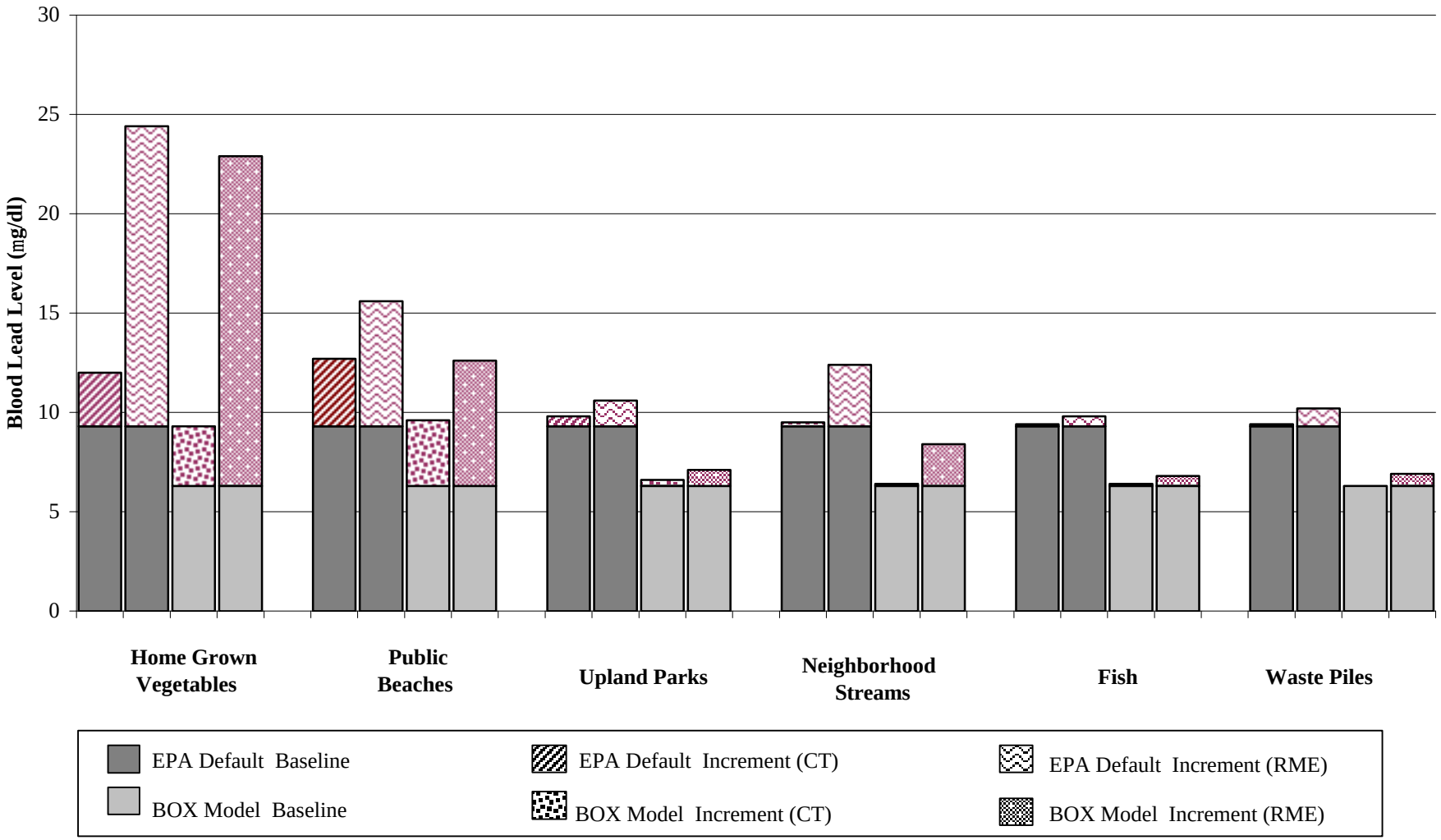


Figure 6-21b Incremental Blood Lead Estimates for 0-9 Year-Old Children by Recreational Activity and Local Foodstuff - Burke/Nine Mile

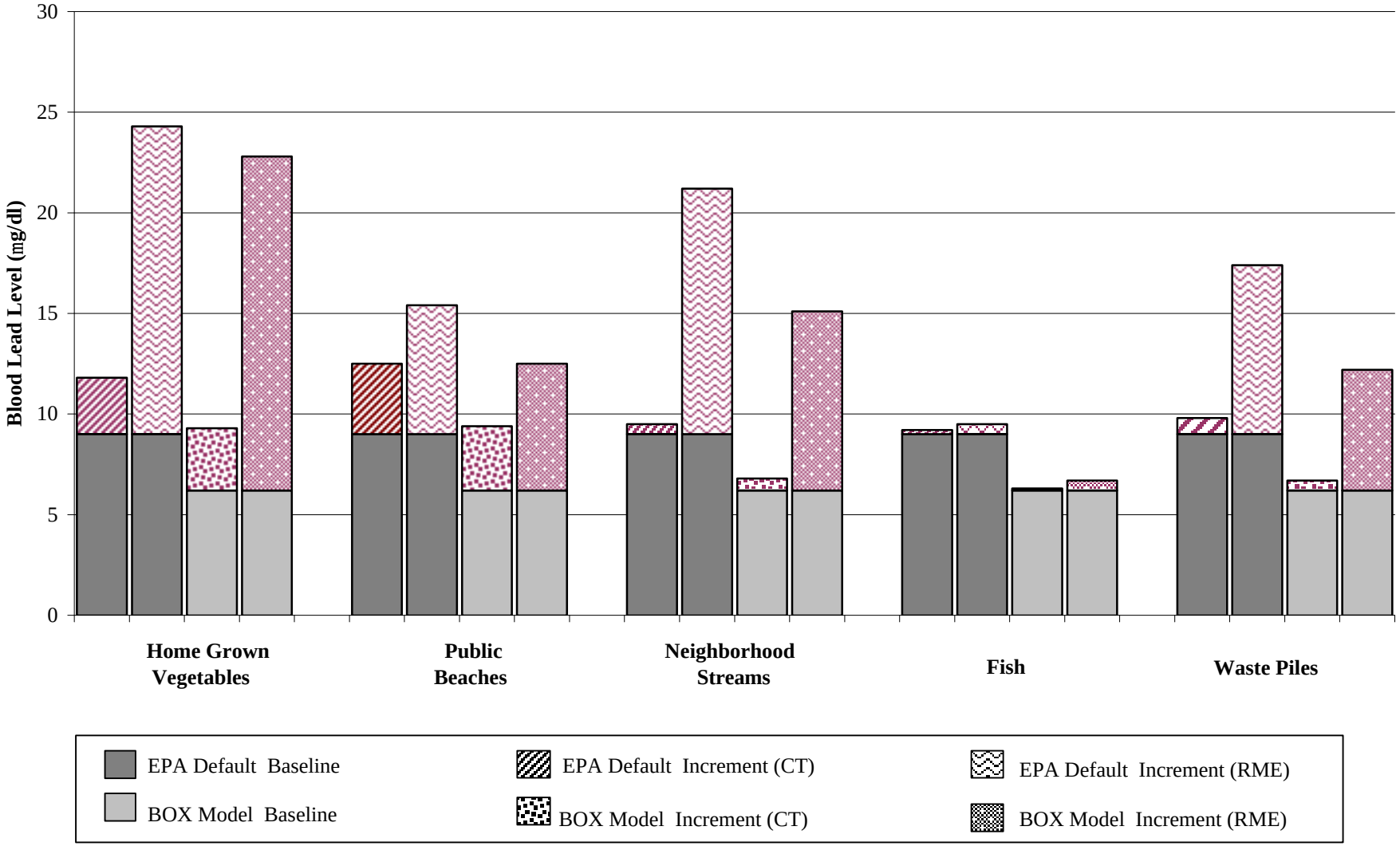


Figure 6-21c Incremental Blood Lead Estimates for 0-9 Year-Old Children by Recreational Activity and Local Foodstuff - Wallace

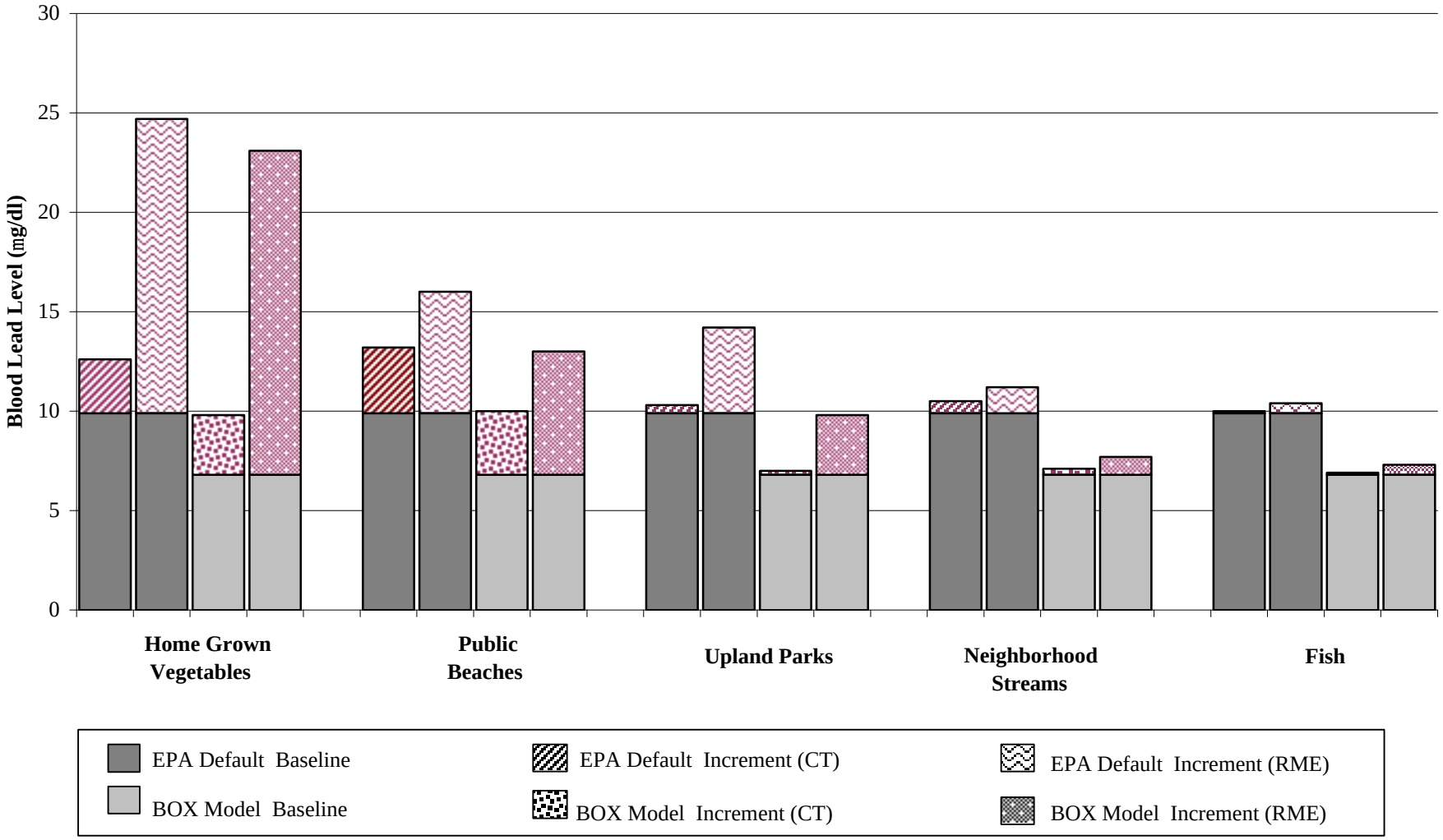


Figure 6-21d Incremental Blood Lead Estimates for 0-9 Year-Old Children by Recreational Activity and Local Foodstuff - Silverton

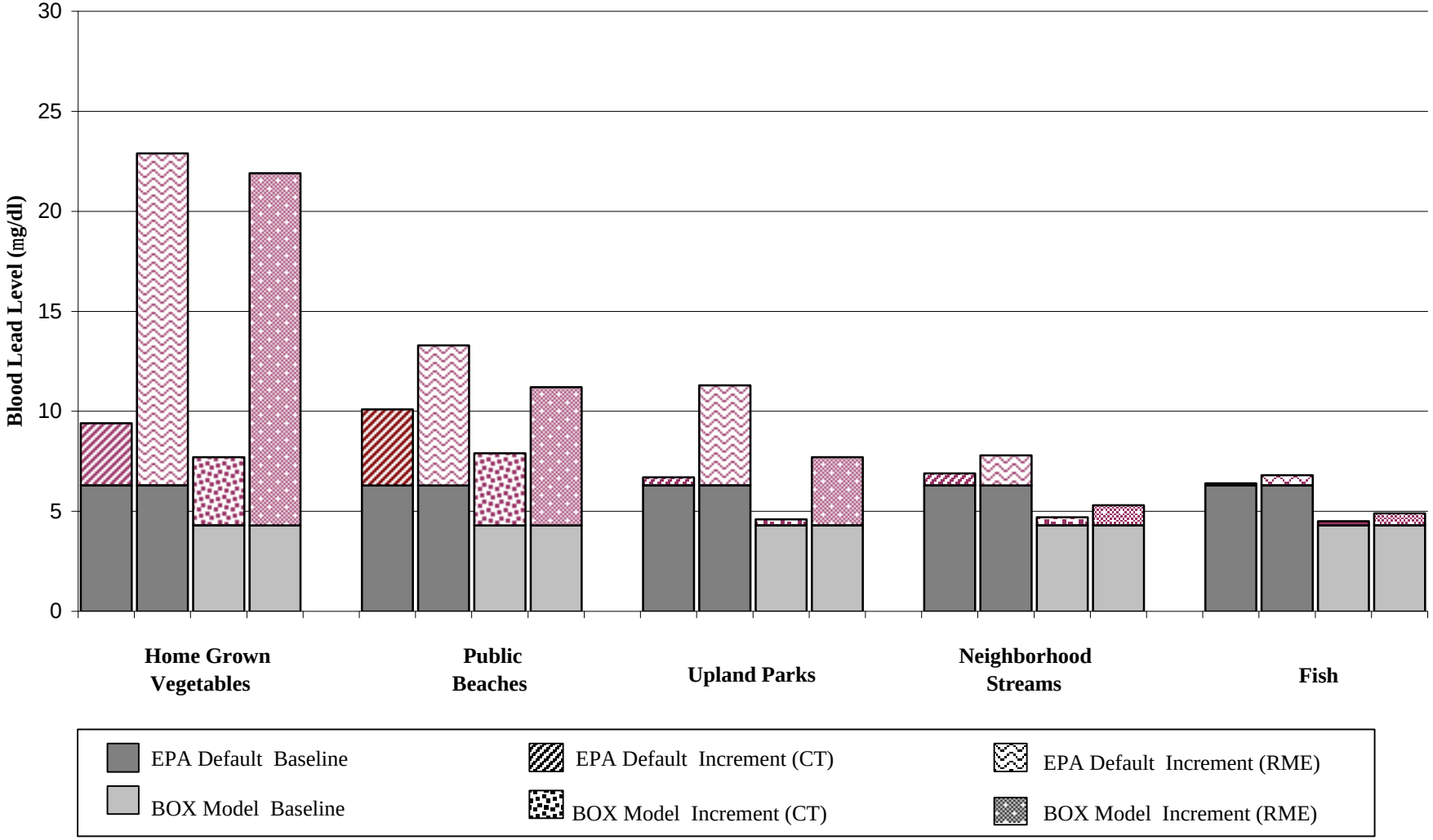


Figure 6-21e Incremental Blood Lead Estimates for 0-9 Year-Old Children by Recreational Activity and Local Foodstuff - Osburn

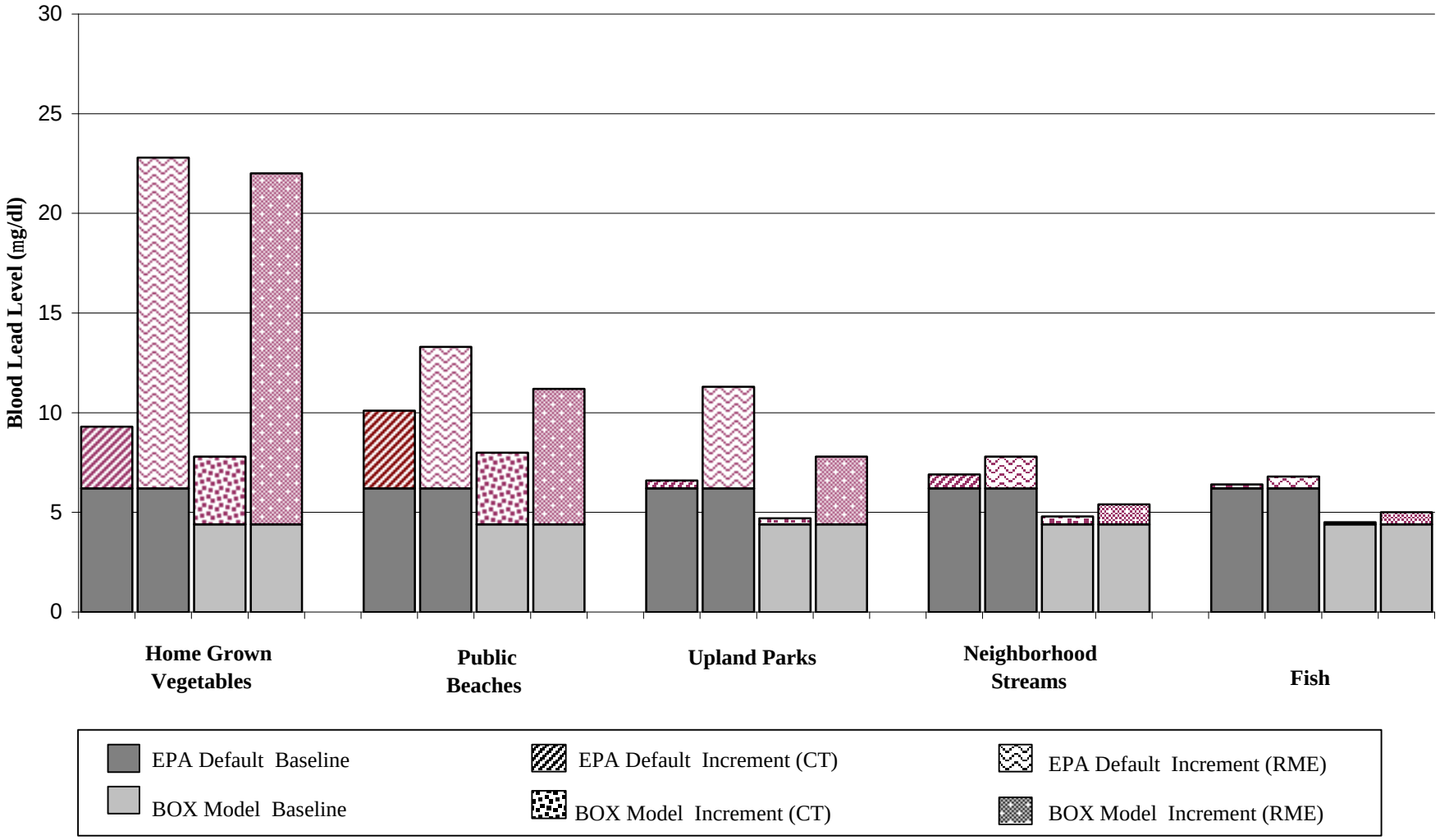


Figure 6-21f Incremental Blood Lead Estimates for 0-9 Year-Old Children by Recreational Activity and Local Foodstuff - Side Gulches

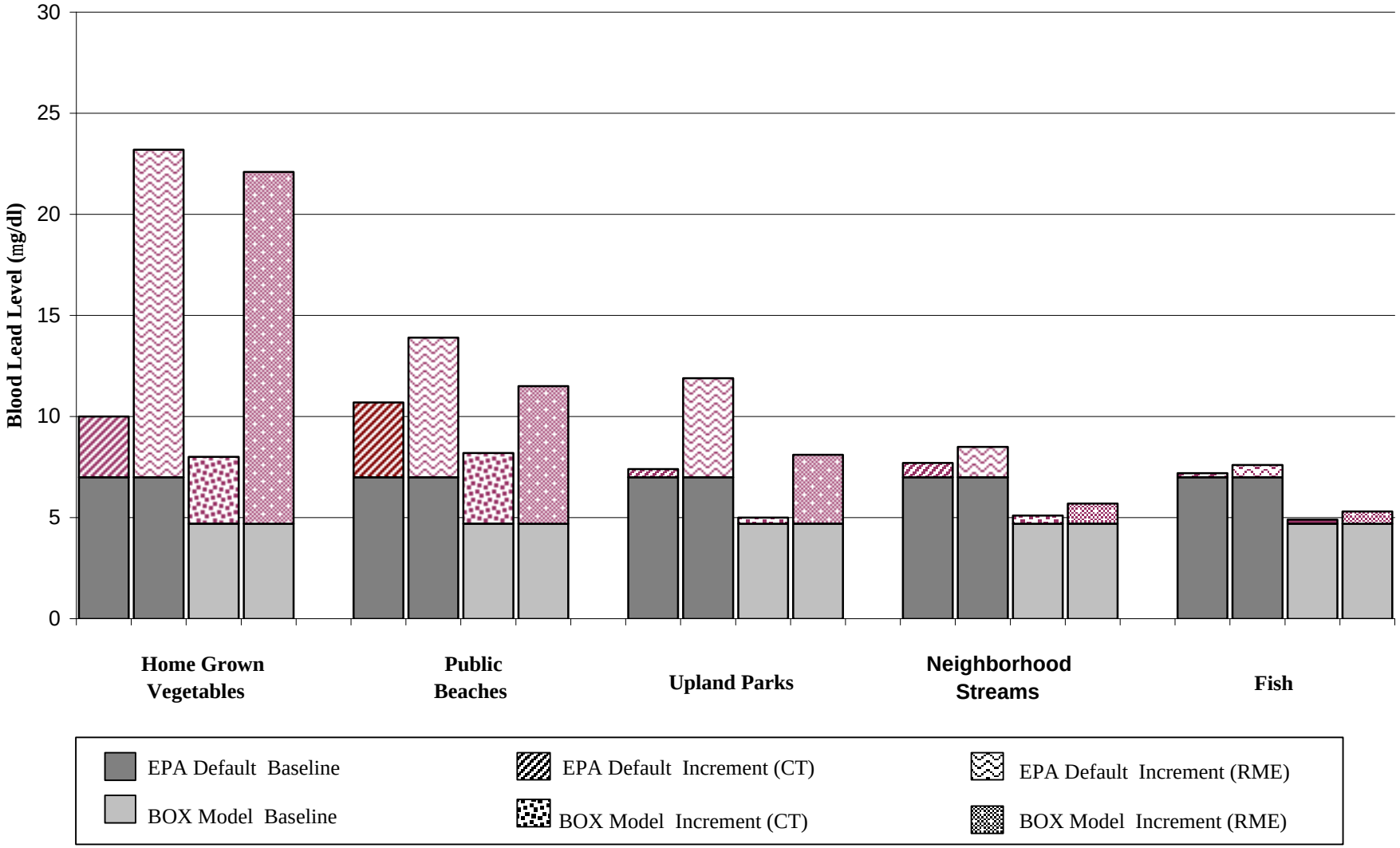


Figure 6-21g Incremental Blood Lead Estimates for 0-9 Year-Old Children by Recreational Activity and Local Foodstuff - Kingston

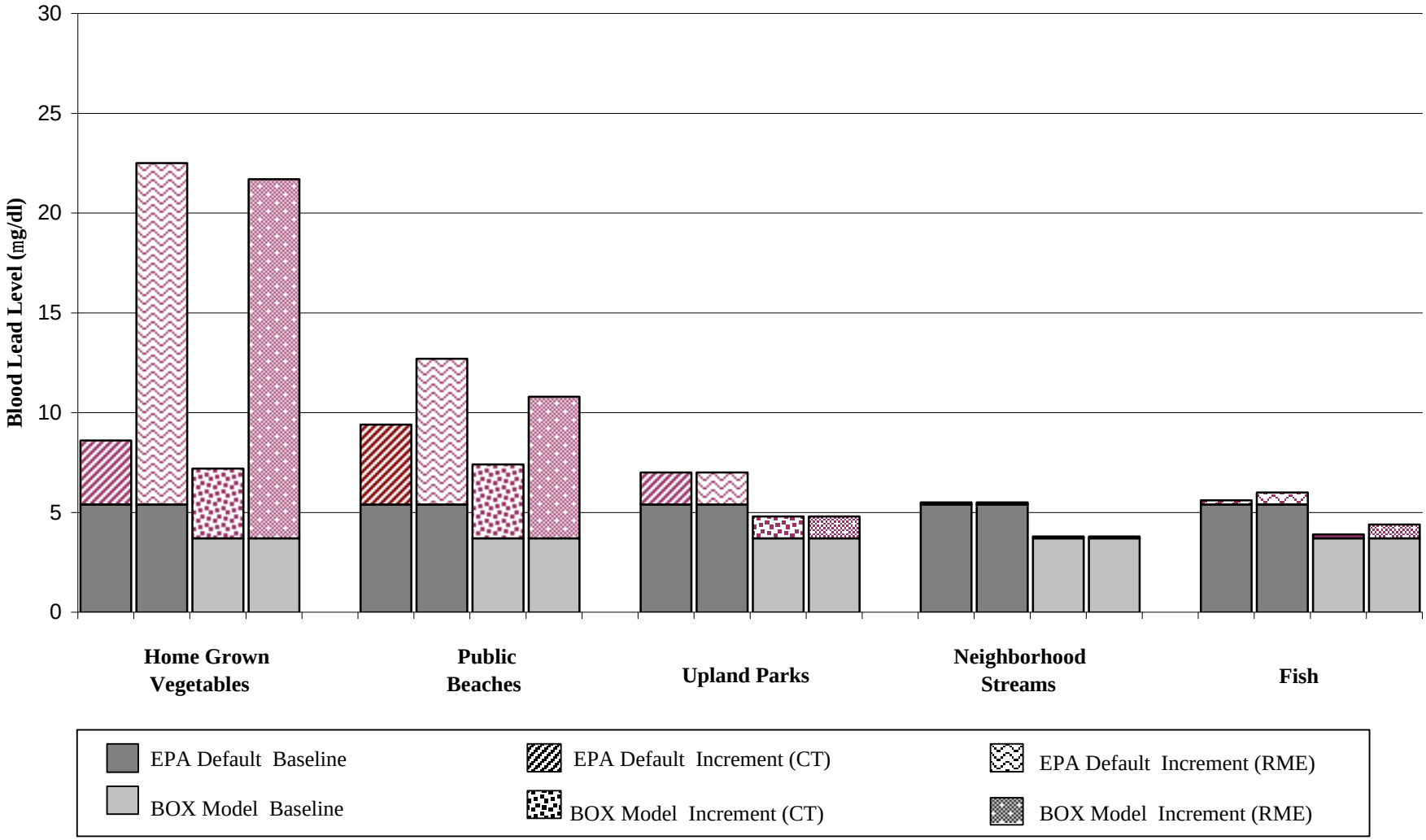


Figure 6-21h Incremental Blood Lead Estimates for 0-9 Year-Old Children by Recreational Activity and Local Foodstuff - Lower Basin

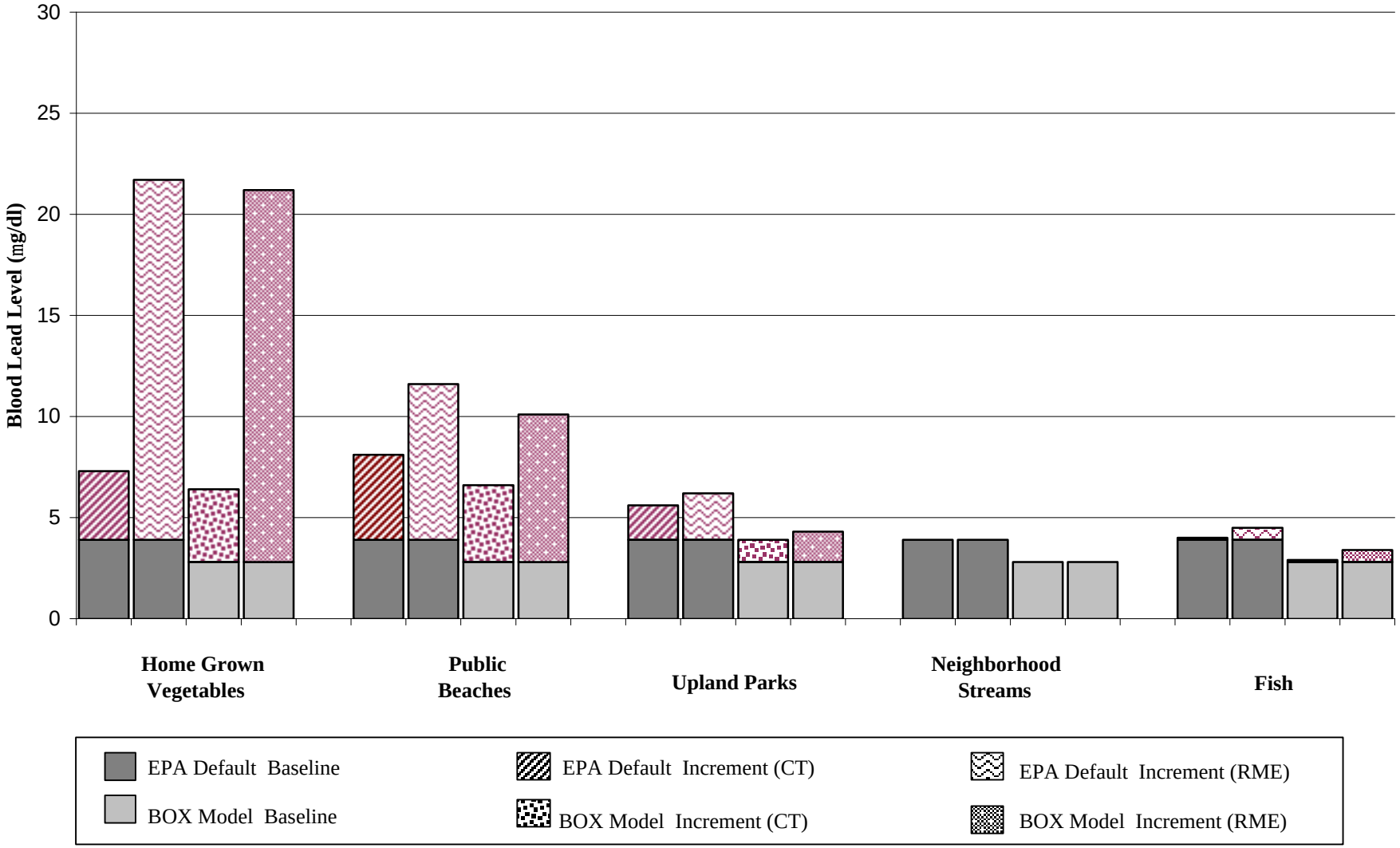


Figure 6-22a Estimated Percent of Children to Exceed 10 mg/dl Blood Lead Associated with Various Yard Soil Cleanup Action Criteria Using Different Dust Concentrations - Wallace

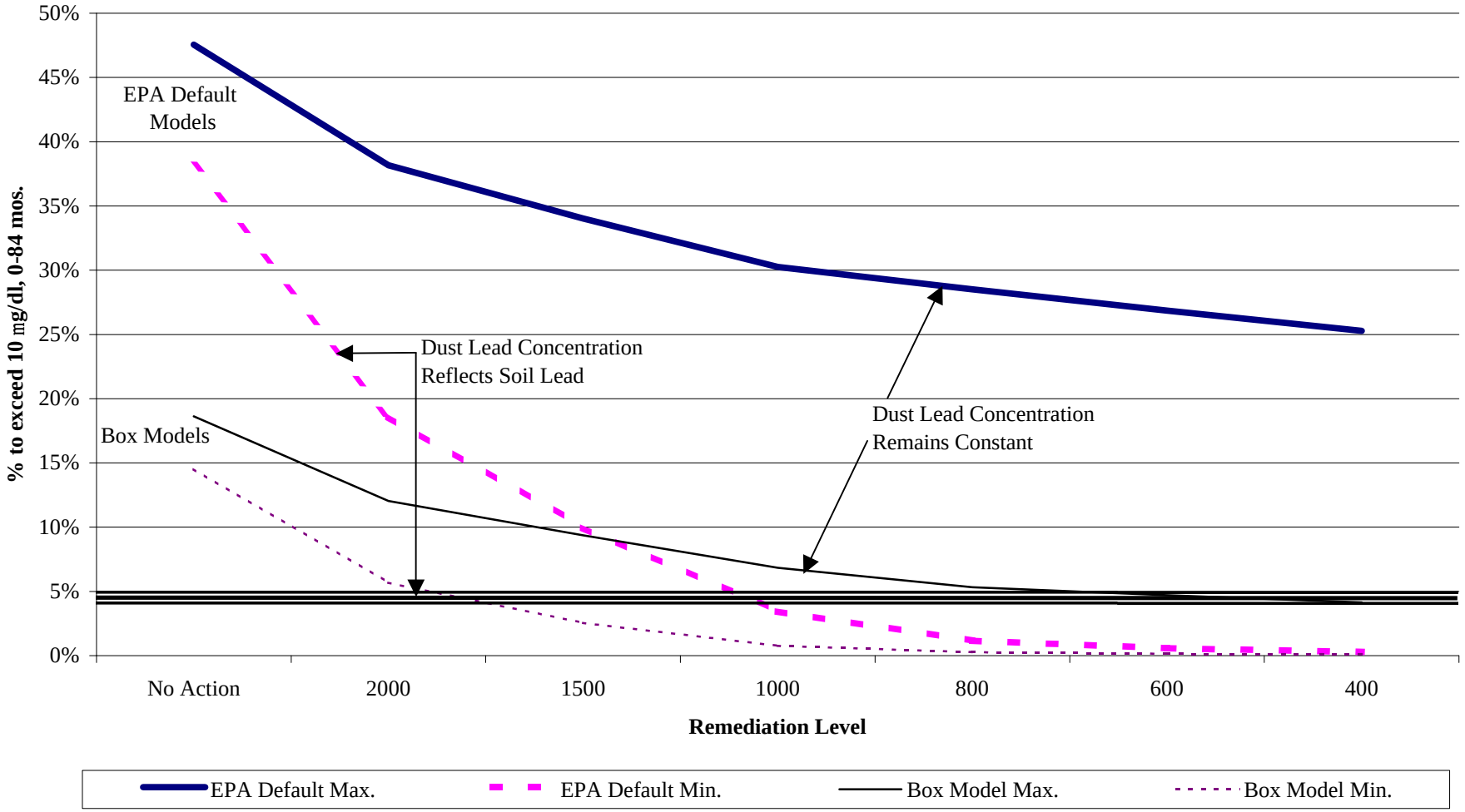


Figure 6-22b Estimated Percent of Children to Exceed 10 mg/dl Blood Lead Associated with Various Yard Soil Cleanup Action Criteria Using Different Dust Concentrations - Lower Basin

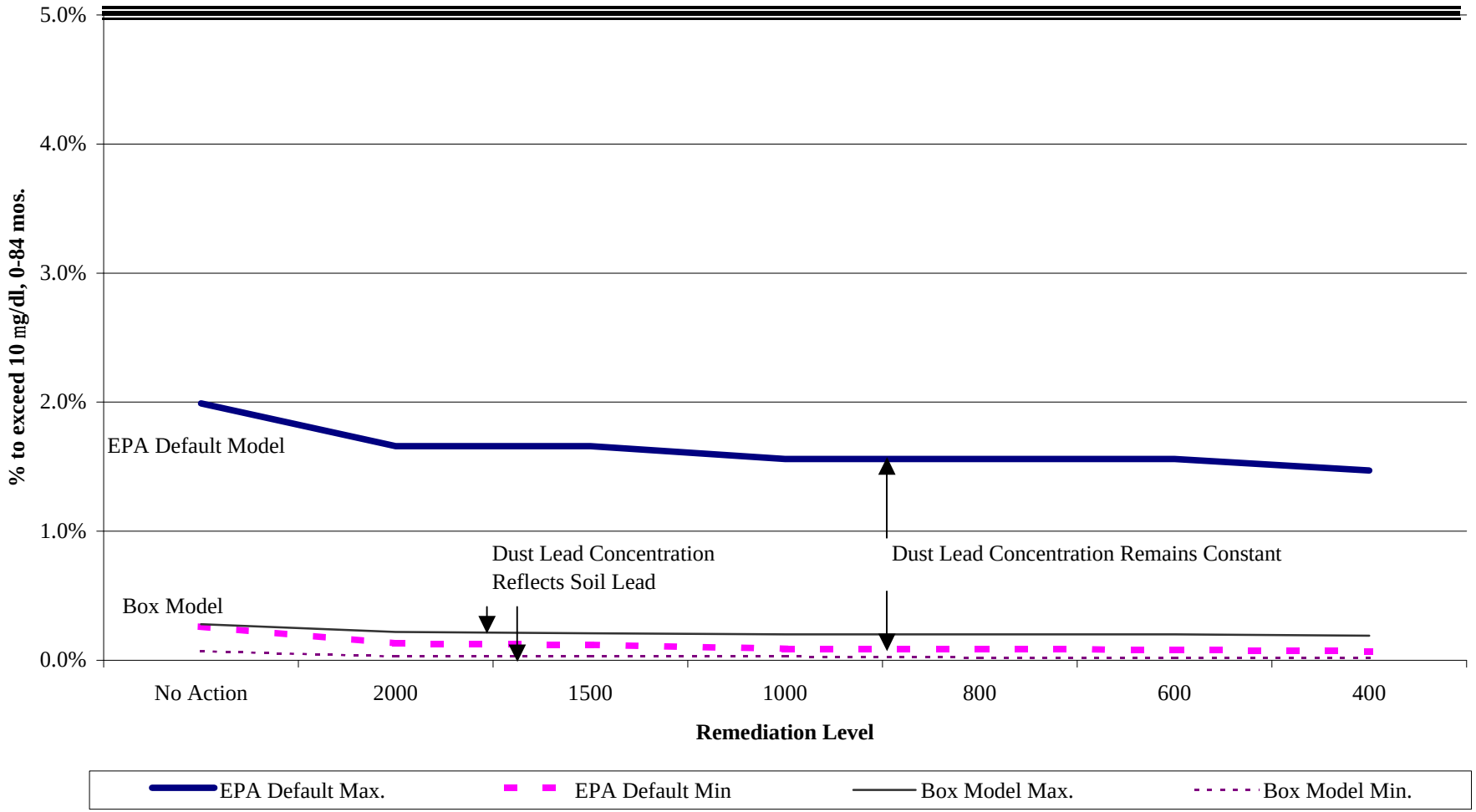


Figure 6-23a Estimated Community Geometric Mean Dust Mat, Vacuum, and Soil Lead Concentrations for Various Yard Soil Action Levels - Mullan

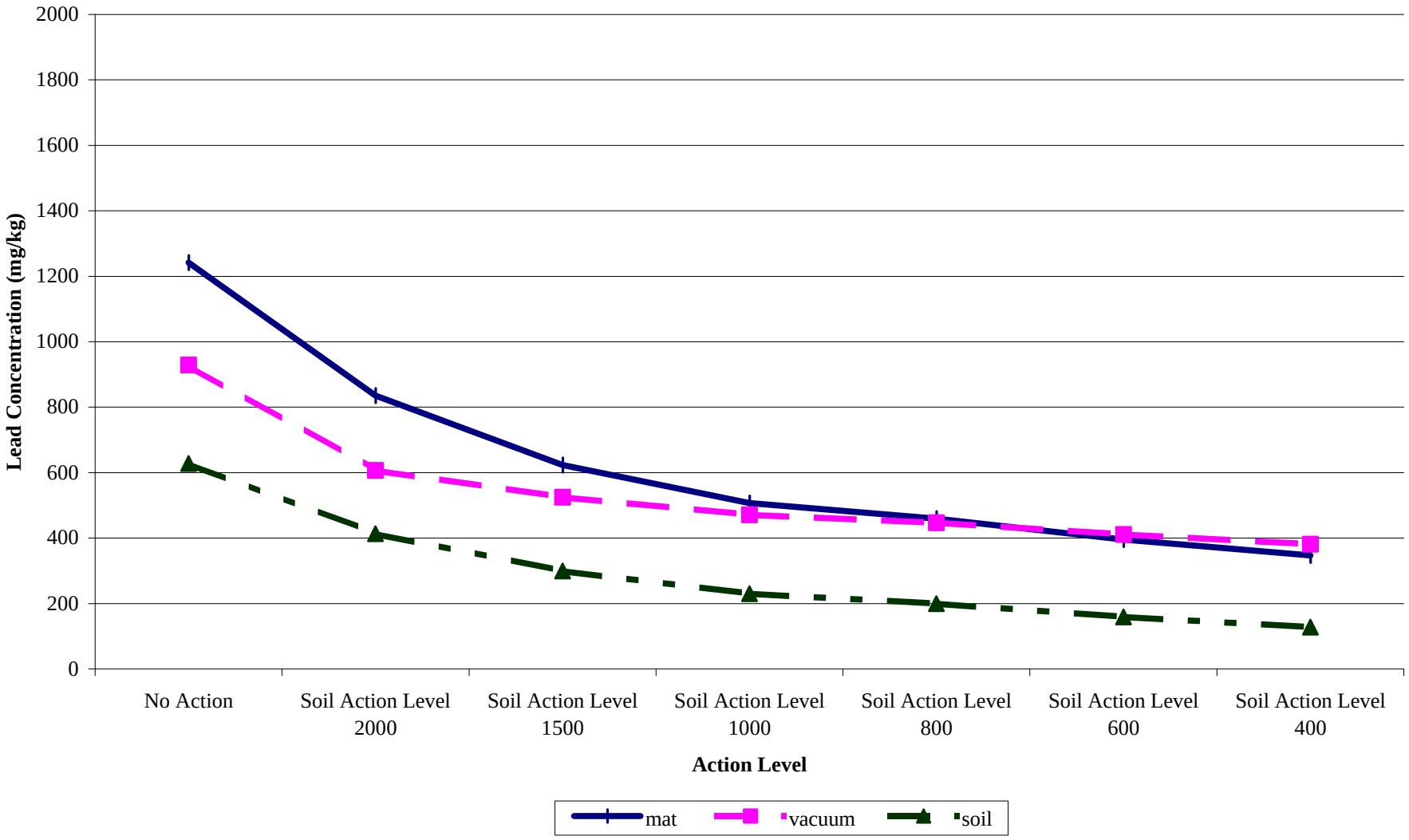


Figure 6-23b Estimated Community Geometric Mean Dust Mat, Vacuum, and Soil Lead Concentrations for Various Yard Soil Action Levels - Burke/Nine Mile

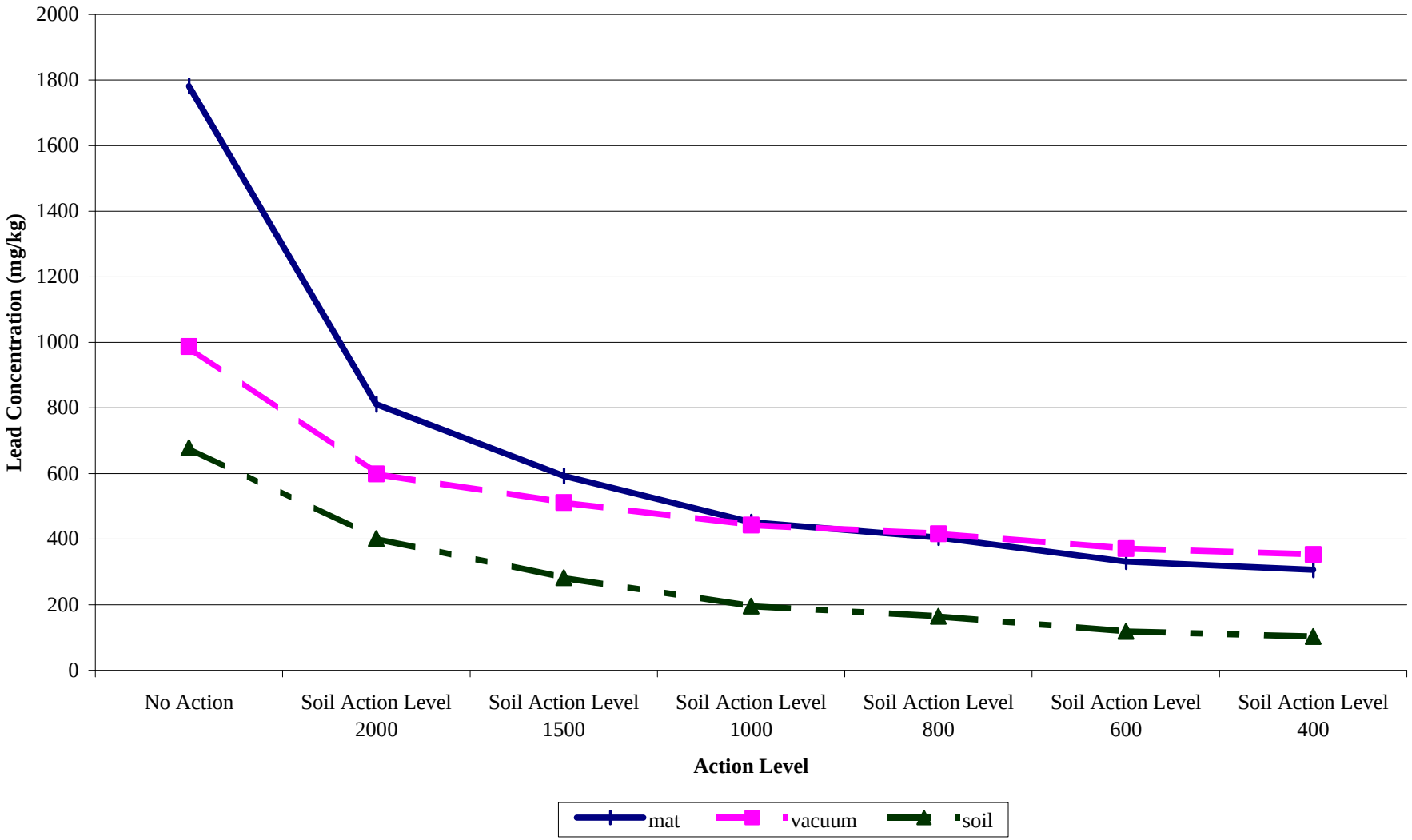


Figure 6-23c Estimated Community Geometric Mean Dust Mat, Vacuum, and Soil Lead Concentrations for Various Yard Soil Action Levels - Wallace

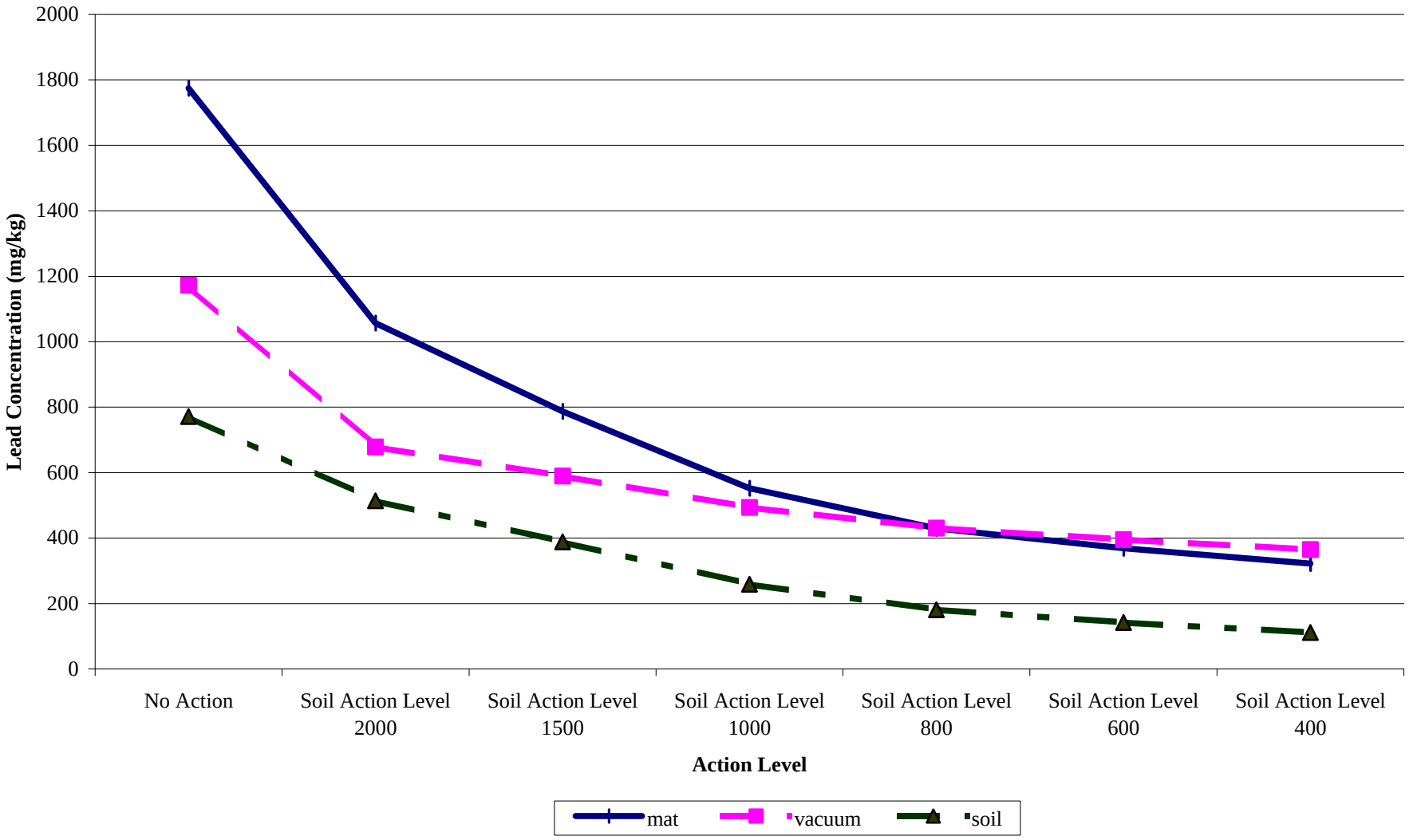


Figure 6-23d Estimated Community Geometric Mean Dust Mat, Vacuum, and Soil Lead Concentrations for Various Yard Soil Action Levels - Silverton

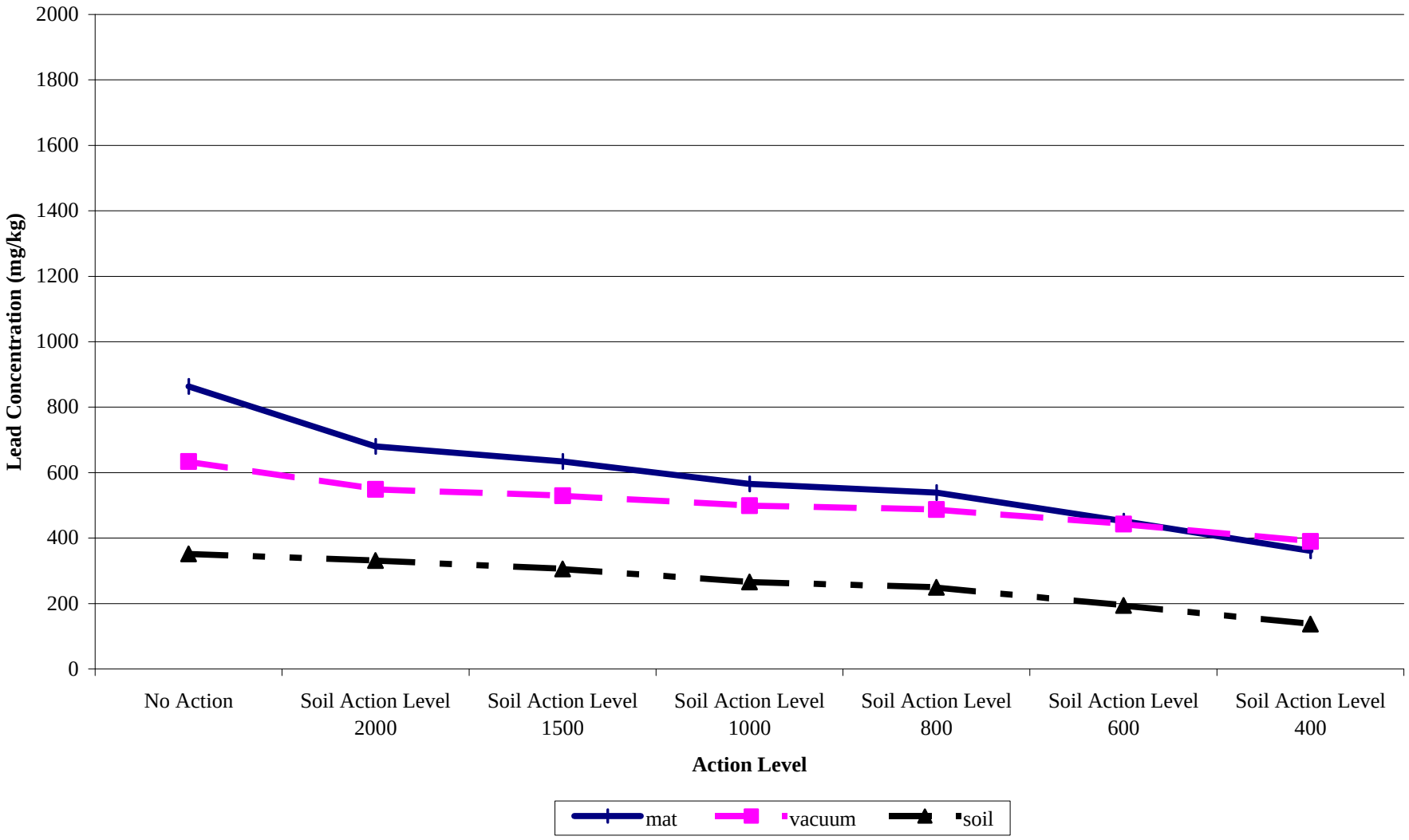


Figure 6-23e Estimated Community Geometric Mean Dust Mat, Vacuum, and Soil Lead Concentrations for Various Yard Soil Action Levels - Osburn

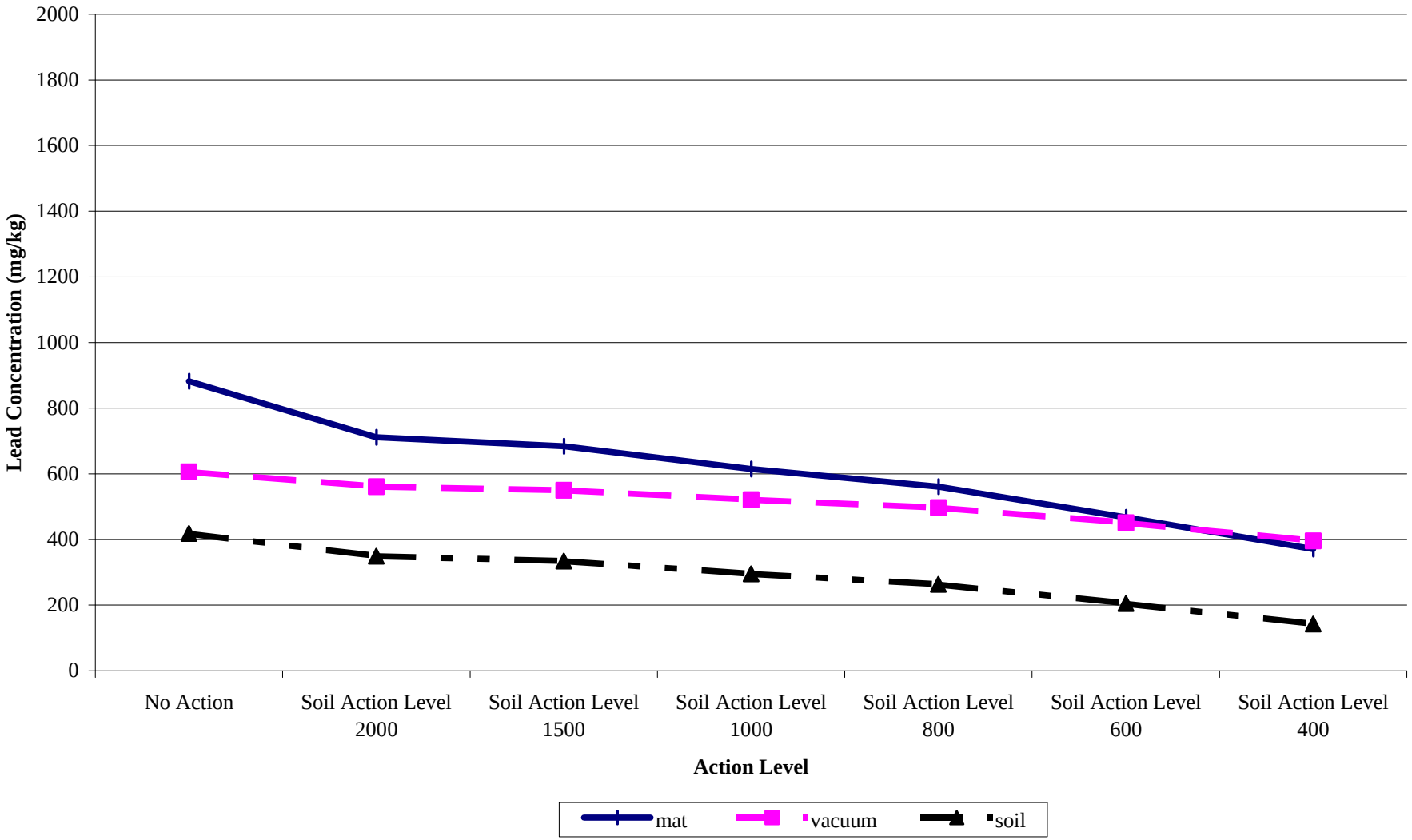


Figure 6-23f Estimated Community Geometric Mean Dust Mat, Vacuum, and Soil Lead Concentrations for Various Yard Soil Action Levels - Side Gulches

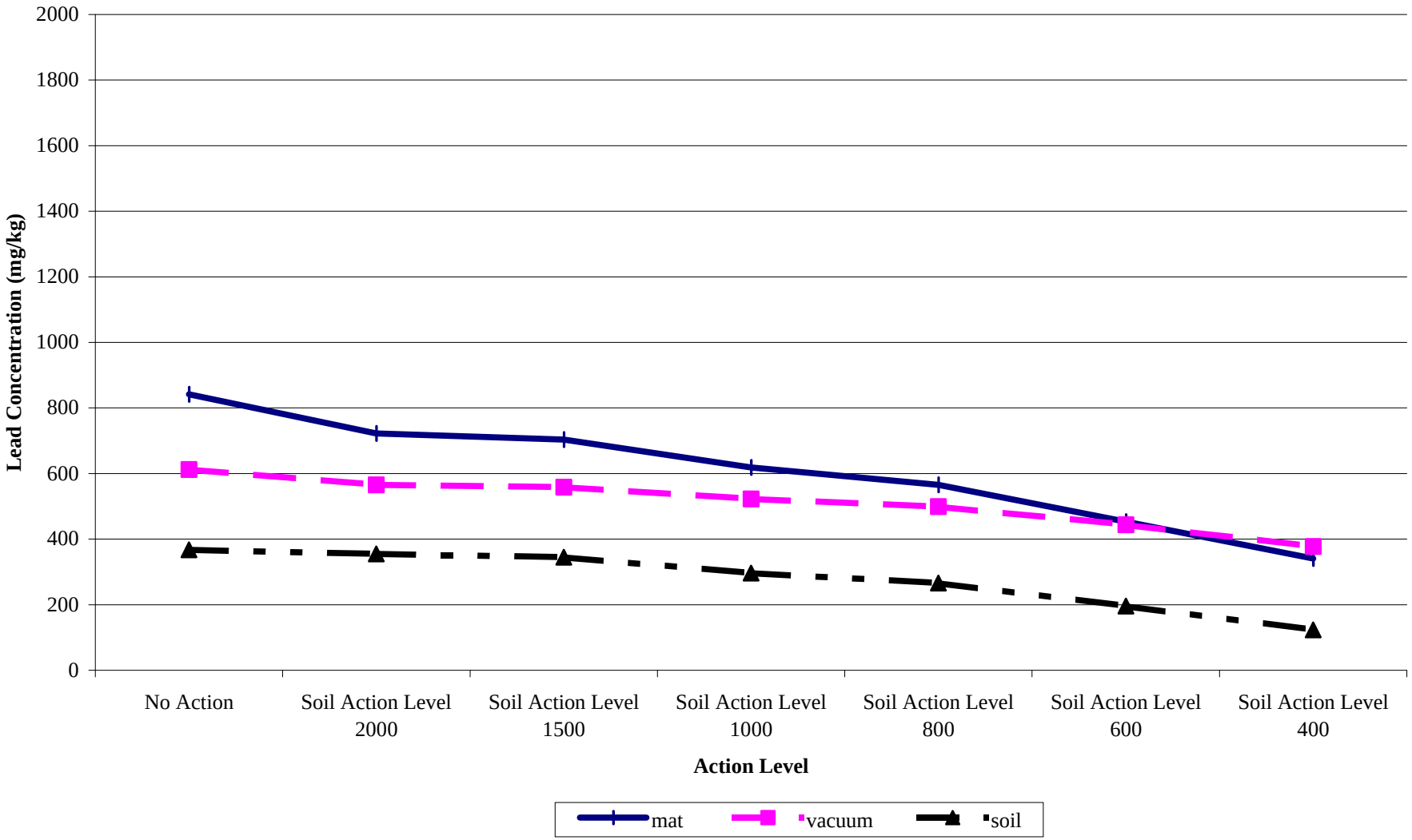


Figure 6-23g Estimated Community Geometric Mean Dust Mat, Vacuum, and Soil Lead Concentrations for Various Yard Soil Action Levels - Kingston

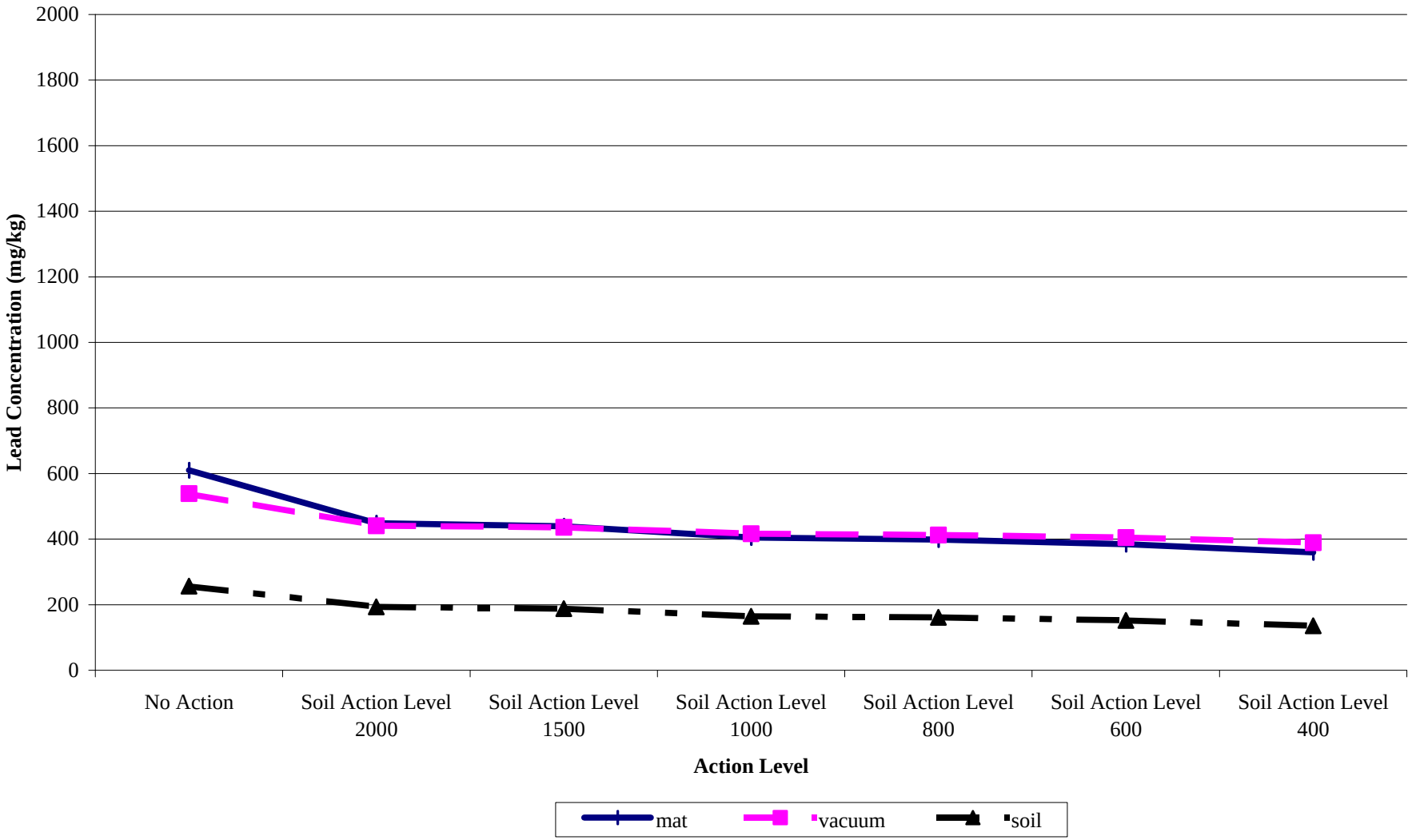


Figure 6-23h Estimated Community Geometric Mean Dust Mat, Vacuum, and Soil Lead Concentrations for Various Yard Soil Action Levels - Lower Basin

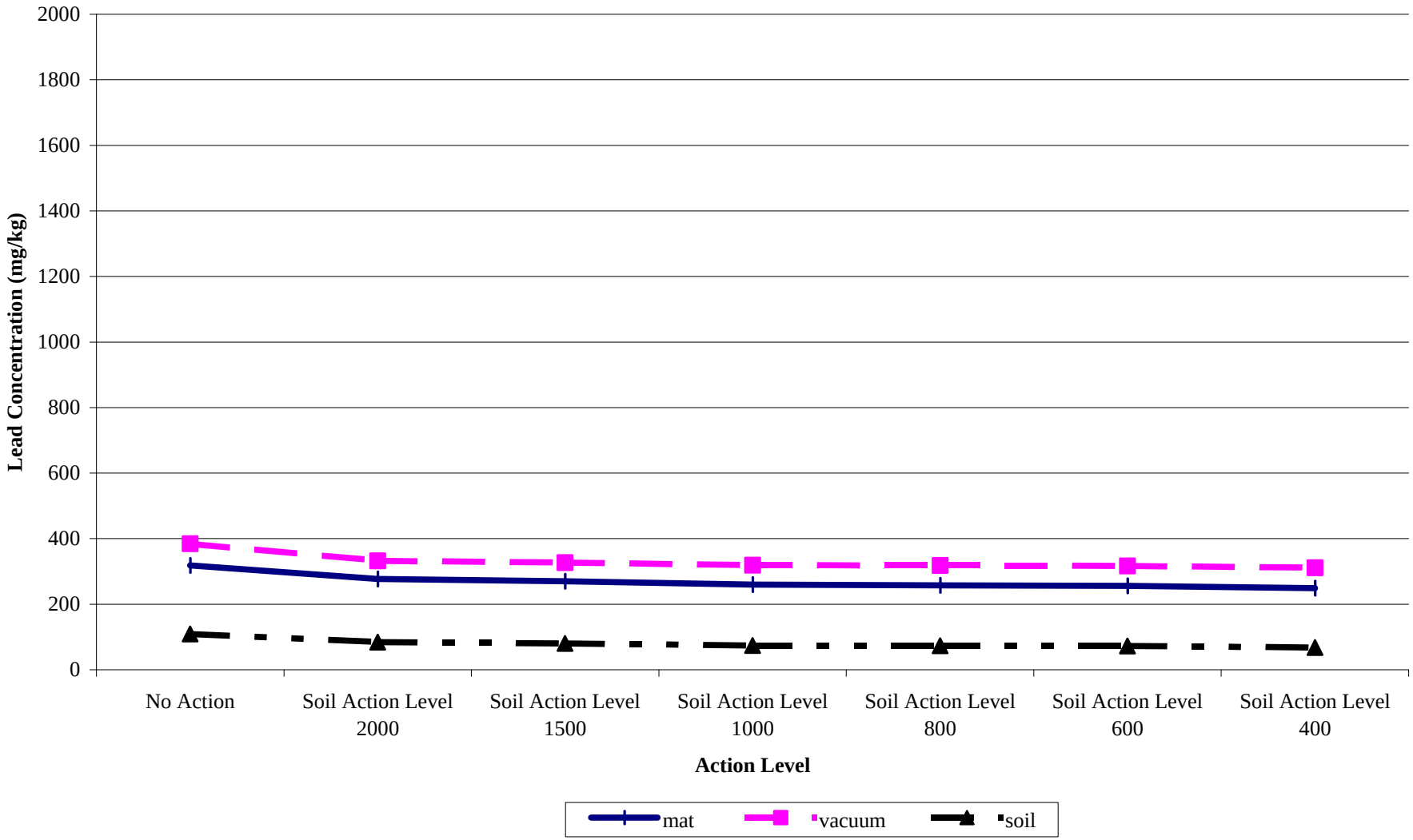


Figure 6-24a Predicted Percentage of 0-84 Month Old Children to Exceed 10 mg/dl Blood Lead for Various Yard Soil Action Levels - Mullan

% to exceed 15 ug/dL				
Soil Action Level	EPA Default		Box Model	
	Community	*Individual*	*Community*	*Individual*
2000	12%	36%	2%	8%
1500	7%	25%	1%	4%
1000	4%	16%	0%	2%
800	3%	12%	0%	1%
600	2%	6%	0%	0%
400	1%	-	0%	-

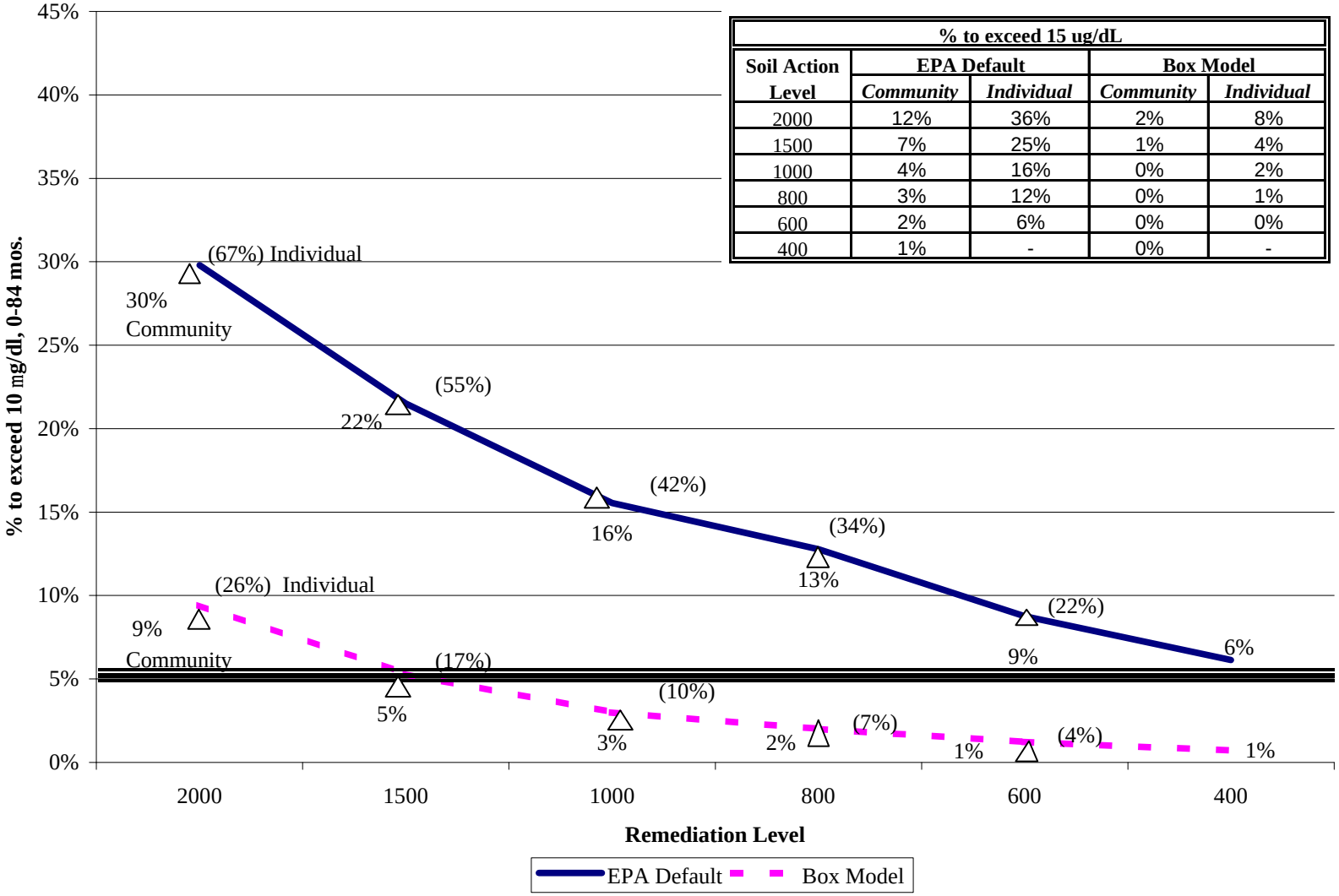


Figure 6-24b Predicted Percentage of 0-84 Month Old Children to Exceed 10 mg/dl Blood Lead for Various Yard Soil Action Levels - Burke/Nine Mile

% to exceed 15 ug/dL				
Soil Action Level	EPA Default		Box Model	
	Community	*Individual*	*Community*	*Individual*
2000	13%	37%	2%	8%
1500	8%	25%	1%	4%
1000	4%	15%	0%	2%
800	3%	11%	0%	1%
600	1%	7%	0%	0%
400	1%	-	0%	-

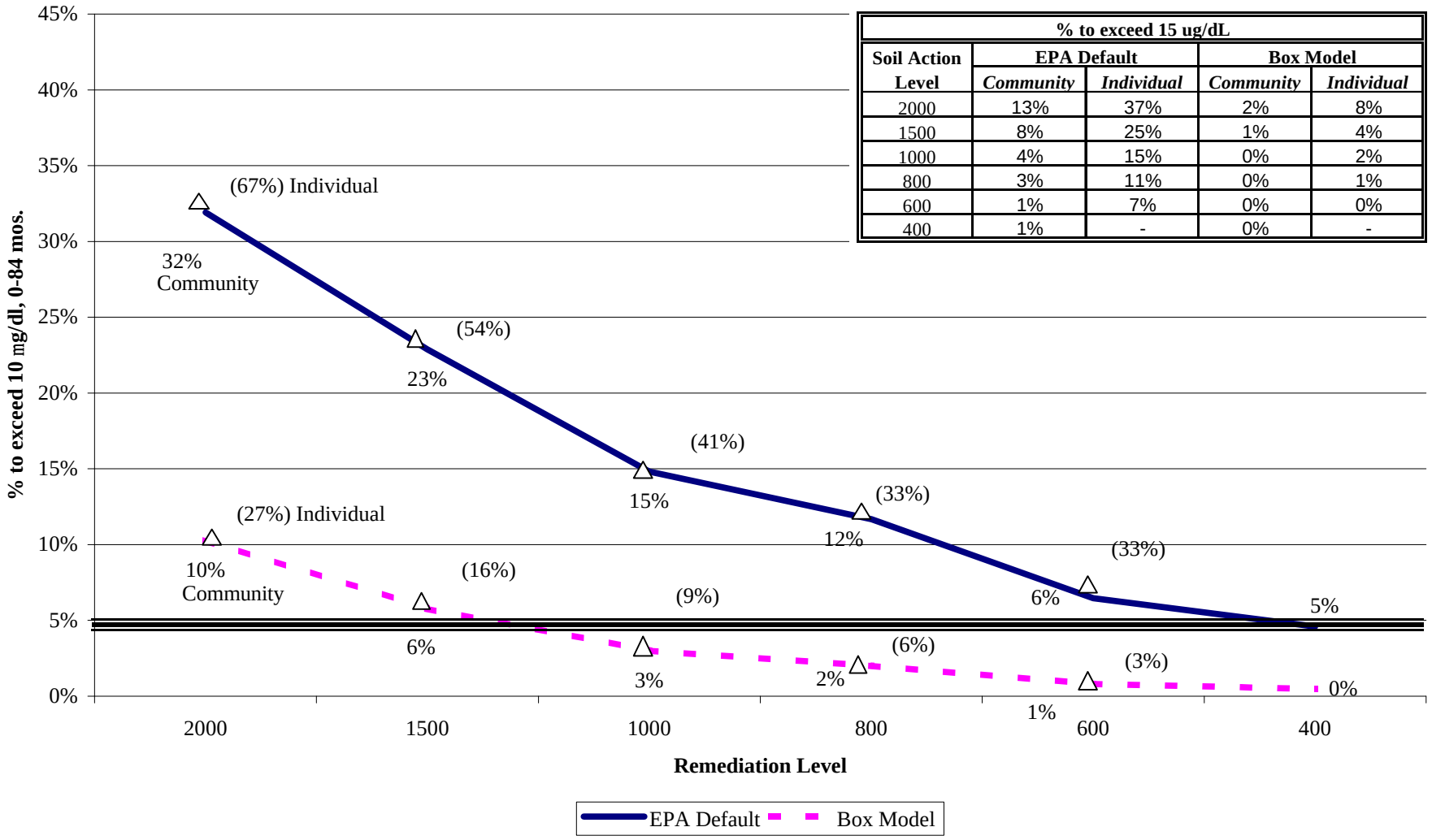
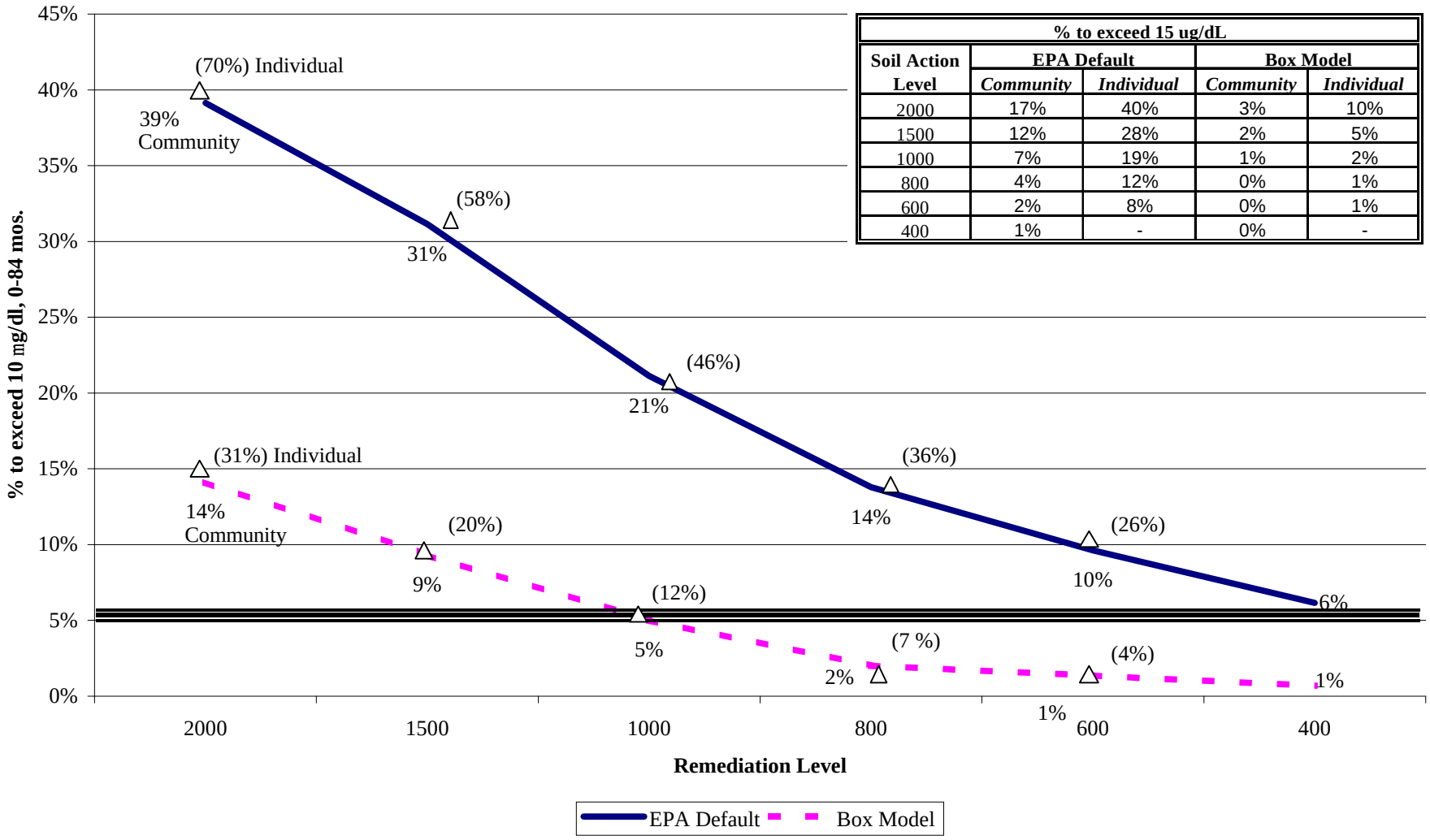
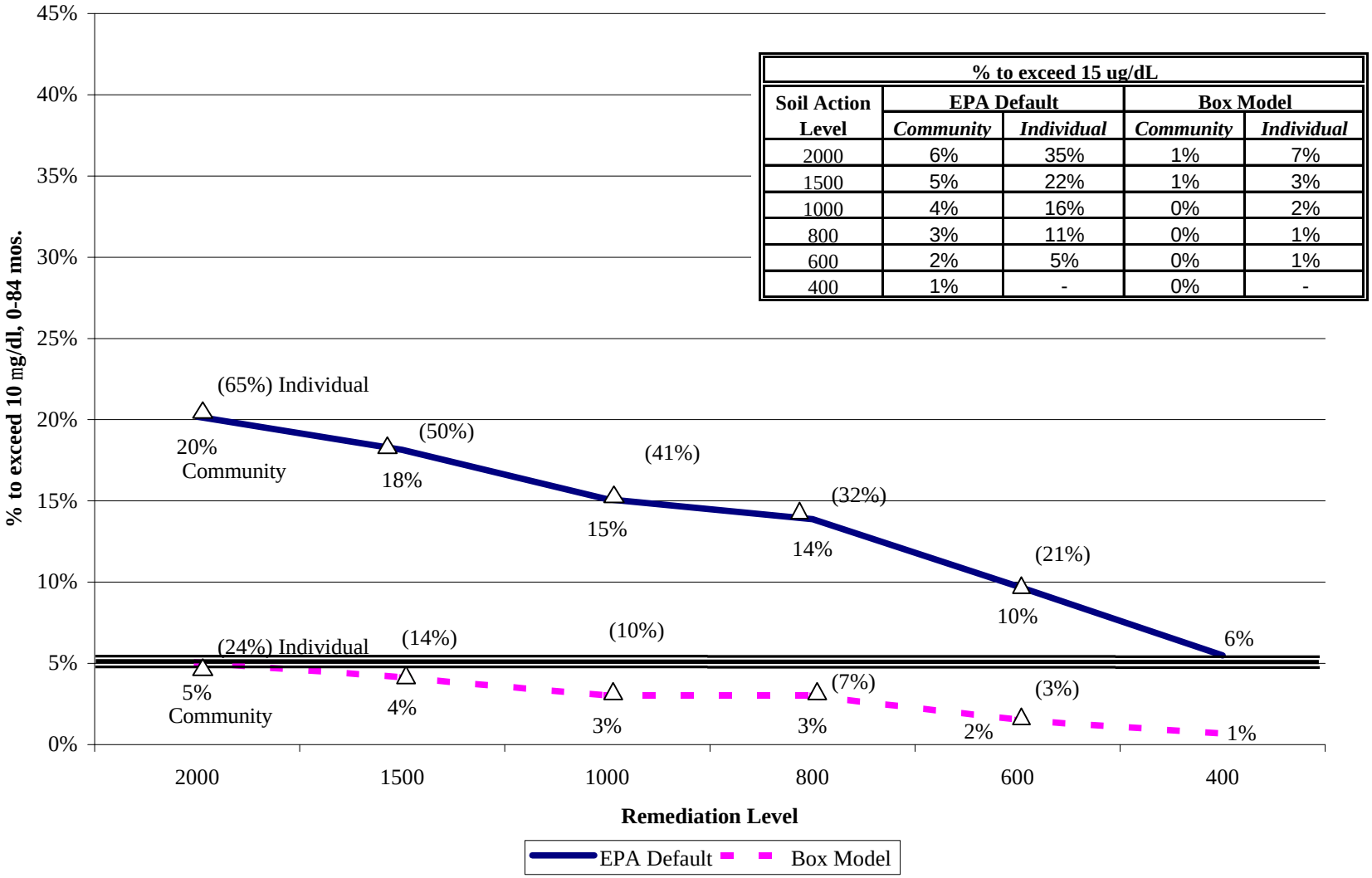


Figure 6-24c Predicted Percentage of 0-84 Month Old Children to Exceed 10 mg/dl Blood Lead for Various Yard Soil Action Levels - Wallace



% to exceed 15 ug/dL				
Soil Action Level	EPA Default		Box Model	
	Community	*Individual*	*Community*	*Individual*
2000	17%	40%	3%	10%
1500	12%	28%	2%	5%
1000	7%	19%	1%	2%
800	4%	12%	0%	1%
600	2%	8%	0%	1%
400	1%	-	0%	-

Figure 6-24d Predicted Percentage of 0-84 Month Old Children to Exceed 10 mg/dl Blood Lead for Various Yard Soil Action Levels - Silverton



% to exceed 15 ug/dL				
Soil Action Level	EPA Default		Box Model	
	Community	*Individual*	*Community*	*Individual*
2000	6%	35%	1%	7%
1500	5%	22%	1%	3%
1000	4%	16%	0%	2%
800	3%	11%	0%	1%
600	2%	5%	0%	1%
400	1%	-	0%	-

Figure 6-24e Predicted Percentage of 0-84 Month Old Children to Exceed 10 mg/dl Blood Lead for Various Yard Soil Action Levels - Osburn

% to exceed 15 ug/dL				
Soil Action Level	EPA Default		Box Model	
	Community	*Individual*	*Community*	*Individual*
2000	6%	34%	1%	6%
1500	6%	22%	1%	3%
1000	4%	14%	0%	2%
800	4%	10%	0%	1%
600	2%	5%	0%	0%
400	1%	-	0%	-

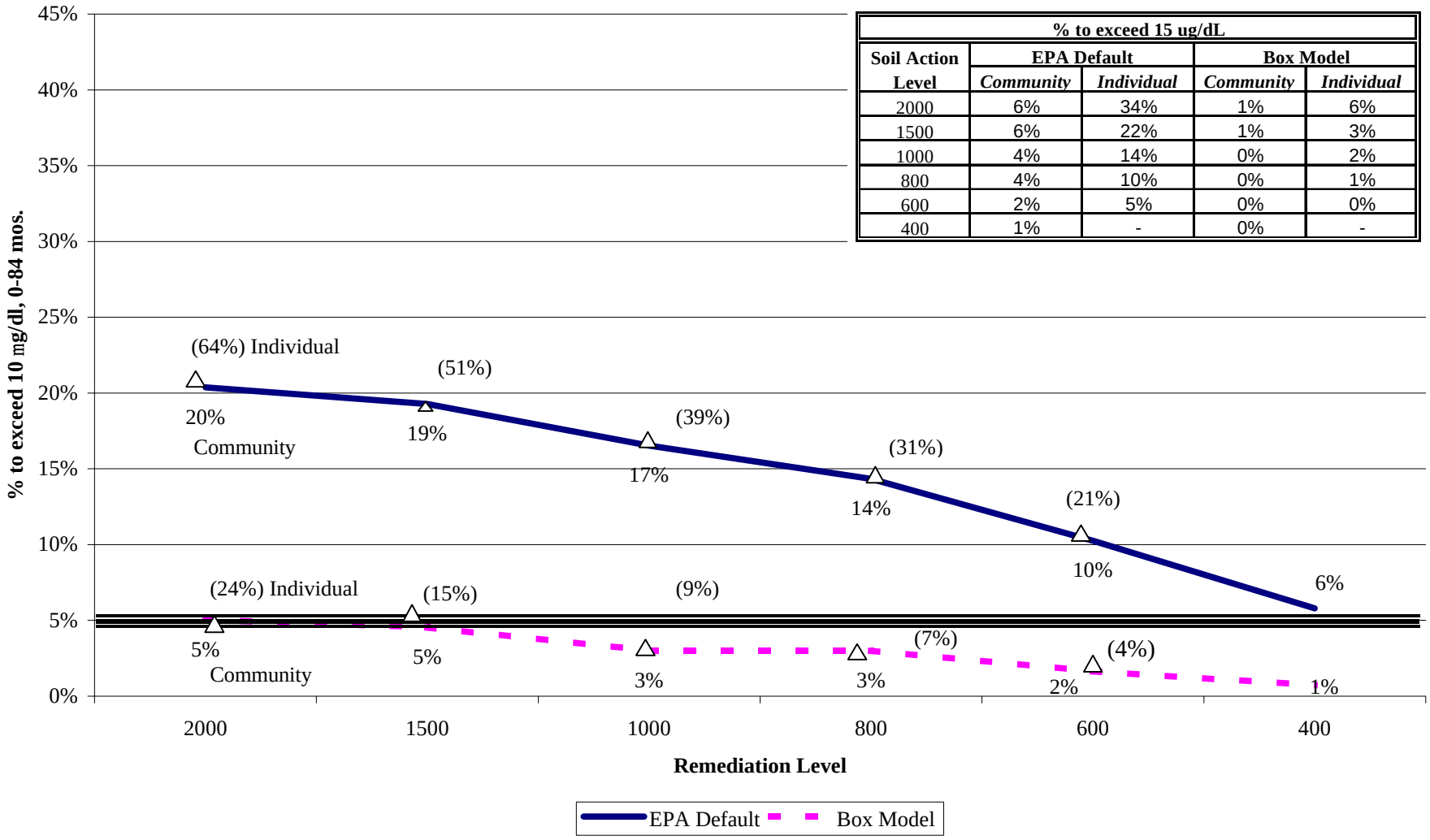


Figure 6-24f Predicted Percentage of 0-84 Month Old Children to Exceed 10 mg/dl Blood Lead for Various Yard Soil Action Levels - Side Gulches

% to exceed 15 ug/dL				
Soil Action Level	EPA Default		Box Model	
	Community	*Individual*	*Community*	*Individual*
2000	7%	35%	1%	7%
1500	6%	32%	1%	4%
1000	5%	14%	0%	2%
800	4%	10%	0%	1%
600	2%	5%	0%	0%
400	1%	-	0%	-

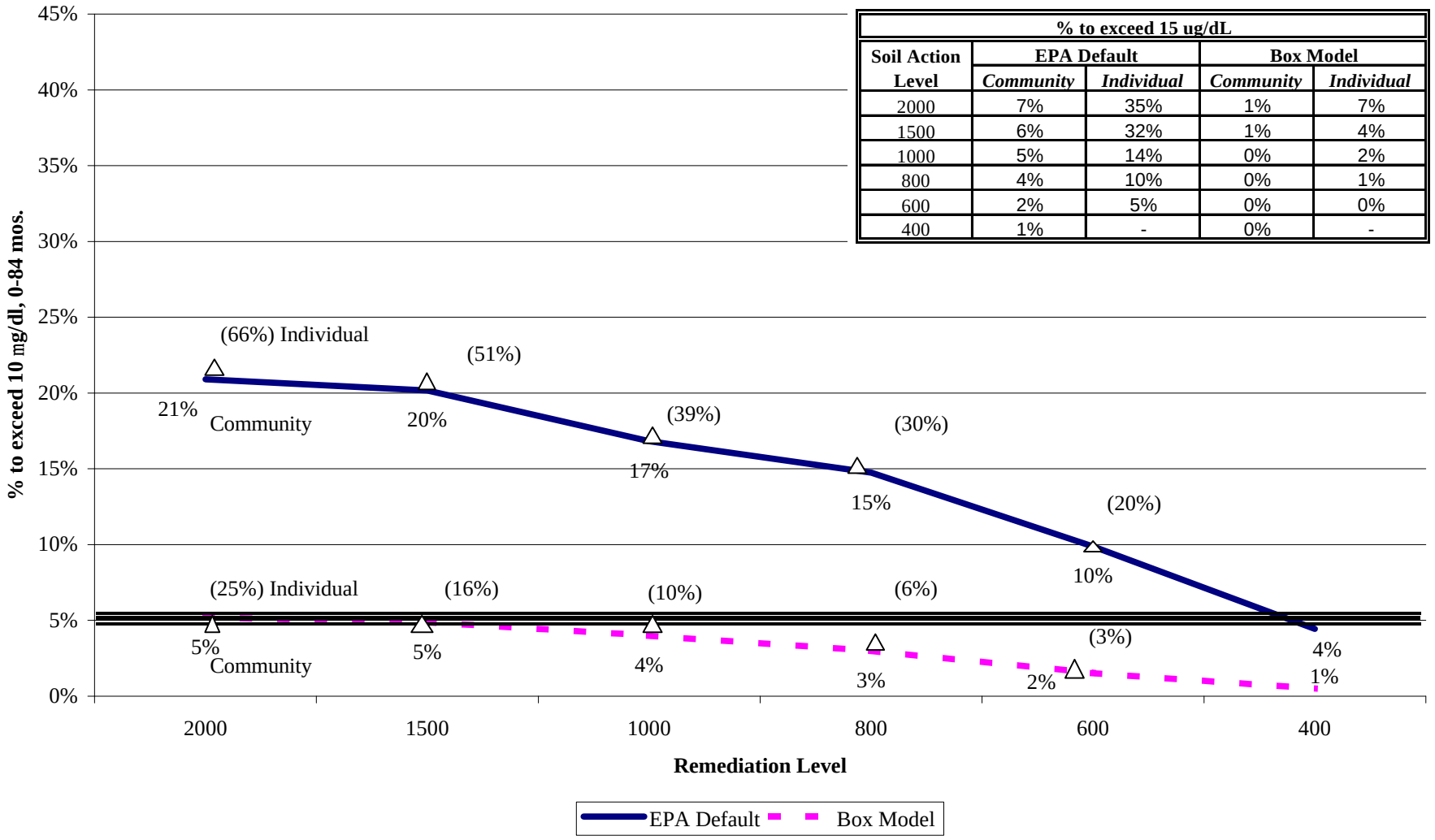
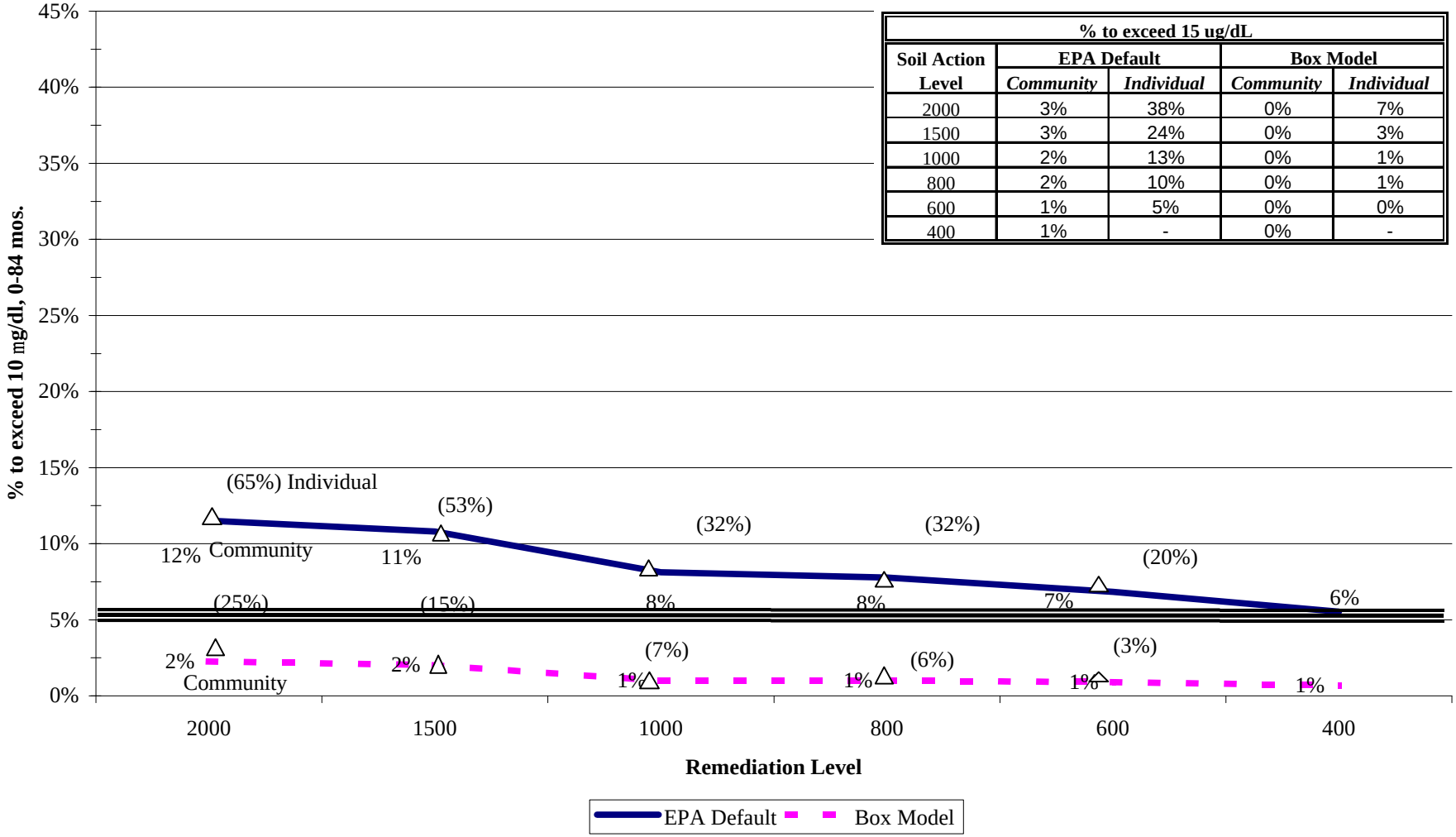


Figure 6-24g Predicted Percentage of 0-84 Month Old Children to Exceed 10 mg/dl Blood Lead for Various Yard Soil Action Levels - Kingston



% to exceed 15 ug/dL				
Soil Action Level	**EPA Default**		**Box Model**	
	Community	***Individual***	***Community***	***Individual***
2000	3%	38%	0%	7%
1500	3%	24%	0%	3%
1000	2%	13%	0%	1%
800	2%	10%	0%	1%
600	1%	5%	0%	0%
400	1%	-	0%	-

Figure 6-24h Predicted Percentage of 0-84 Month Old Children to Exceed 10 mg/dl Blood Lead for Various Yard Soil Action Levels - Lower Basin

% to exceed 15 ug/dL				
Soil Action Level	EPA Default		Box Model	
	Community	*Individual*	*Community*	*Individual*
2000	2%	29%	0%	4%
1500	1%	20%	0%	2%
1000	1%	14%	0%	1%
800	0%	10%	0%	1%
600	0%	4%	0%	0%
400	0%	-	0%	-